1. BASIC ASSESSMENT PROCESS

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

2. OBJECTIVE OF THE BASIC ASSESSMENT PROCESS

According to Regulation No R 326 of 7 April 2017, the objective of the EIA process is to, through a process of consultation:

- a. Identify the policies and legislation relevant to the study and how the study complies with the policies and legislation.
- b. Identify the alternatives considered, including the activity, location and technology alternatives.
- c. Motivate the need and desirability of the proposed activity including the need and desirability of the activity in the context of the preferred location.
- d. Identify the location of the development footprint within the preferred site based on an impact assessment and risk ranking process which includes cumulative impacts and a ranking process of all the identified alternatives focussing on the geographical, physical, biological, social, economic and cultural aspects of the environment.
- e. Determine the
 - a. Nature, significance, consequence, extent, duration and probability of the impacts occurring to inform preferred alternatives; and
 - b. Degree to which these impacts
 - i. Can be reversed:
 - ii. May cause irreplaceable loss of resources, and
 - iii. can be avoided, managed or mitigated.
- f. Identify the most ideal location for the activity within the preferred site based on the lowest level of environmental sensitivity identified during the assessment.
- g. Identify site sensitivities and possible impacts that the activity and technology alternatives will impose on the sites and location identified through the life of the activity to
 - i. Identify and motivate a preferred site, activity and technology alternative;
 - ii. Identify suitable measures to avoid, manage or mitigate identified impacts; and
 - iii. Identify residual risks that need to be managed and monitored.

3. DETAILS OF EAP AND APPLICANT

3.1 ENVIRONMENTAL ASSESSMENT PRACTITIONER

The application will be handled on the behalf of the applicant by:

TEKPLAN Environmental P.O. Box 55714 POLOKWANE 0700

Tel: (015) 291-4177 Fax: 086 218 3267

Email: tecoplan@mweb.co.za

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Contact person: Mr. Anton von Well (National Higher Diploma – Nature Conservation (Specializing in Environmental Management & Analyses). See Appendix A -

EAP Details and Expertise.

This Report was compiled by:

Mr. Anton von Well

3.2 APPLICANT

In this instance the applicant is:

Vodacom (Pty) Ltd

082 Vodacom Blvrd Voda Valley Midrand 1682

Cell: 082 561 8581 Fax: 082 271 6118

Email: hildalene.vanderwesthuizen@vodacom.co.za

Contact person: Ms. Hildalene van der Westhuizen

4. PROJECT LOCATION

The proposed development site is located in the Skeerpoort area on Portion 115 of the farm Bultfontein 475 JQ in the Madibeng Local Municipality area, Bojanala Platinum District Municipality, North West Province. See enclosed locality map (Appendix B).

The co-ordinates where the proposed development will take place are as follow:

S 25° 48' 41.7" E 27° 41' 50.4"

The Surveyor-general 21 digit site reference number for the property that is part of the application is as follows:

T0JQ00580000047500115

5. SCOPE OF THE PROPOSED ACTIVITY

5.1 LISTED ACTIVITIES TRIGGERED IN TERMS OF NEMA

The proposed development project is listed in the environmental regulations, as published in Government Notice No. 40772 of 2017.

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The proposed development project is classified under the following section of this schedule:

Number and date of the relevant notice:	Activity No (s) and Activity Description (in terms of the relevant notice)	Describe each listed activity as per project description
GN.R. 324, 7 April 2017	3.(h)(i)(dd) The development of masts or towers of any material or type used for telecommunication broadcasting or radio transmission purposes where the mast or tower- (a) is to be placed on a site not previously used for this purpose; and (b) will exceed 15 metres in height- but excluding attachments to existing buildings and masts on	This project will consist of an individual mast. The mast site will consist of the following components: * A site measuring approximately 8m x 10m in extent. * A lattice mast measuring approximately 30 meters in height. * A container housing electronic equipment surrounded by a steel palisade fence. The site is located on Portion 115 of the farm Bultfontein 475 JQ.

5.2 OTHER LEGISLATION

Title of legislation, policy or guideline:	Administering authority:	Date:
National Water Act (NWA), Act 36 of 1998	Department of Water and	1998
, ,	Sanitation	
National Forests Act, No 84 of 1998	Department of Agriculture,	1998
	Forestry and Fisheries	
Section 2 of the National Heritage Resources	SAHRA	1999
Act, 1999, (Act No. 25 of 1999)		
National Veld and Forest Fires Act, 1998 (Act	Department of Environmental	1998
101 of 1998)	Affairs	
Conservation of Agricultural Resources Act	Department of Agriculture	1983
(Act 43 of 1983)		

5.3 PROJECT DESCRIPTION

Vodacom intends to construct a 30m lattice mast with antennae mounted onto the mast, and container housing associated equipment. The size of the base station (fenced area) in which the mast and associated equipment will be placed will measure 8m x 10m (80m²).

See Appendix C – Facility Illustration.

6. NEED AND DESIRABILITY

VODACOM has identified the need for better cell phone coverage in the area of Skeerpoort, as there are certain areas where cell phone coverage is intermittent. The erection of a new mast

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will ensure that additional coverage is attained in this area and will improve the current capacity (more people will be able to use their cell phones).

Concomitantly, an overhead line would mean that a new row of poles would have to be planted and bush would have to be cleared underneath such a line. Clearly the aesthetic and biological impacts resulting from this course of action are excessive when compared to the project as proposed by Vodacom. The cell phone network reduces the number of poles significantly, and circumvents the theft of copper wires. The surface area that will be covered on the ground is approximately $80m^2$. The impact will be very small on the environment.

The community in the area will benefit, as they will have better cell phone reception.

The proposed mast will enhance the Vodacom coverage in the area. The cell phone coverage will remain problematic in the area should this activity not take place. Should the mast not be built on the proposed site, an alternative site must be planned.

Vodacom need to upgrade their network in the area. These network problems will be resolved after the mast has been erected.

7. MOTIVATION FOR THE PREFERRED DEVELOPMENT FOOTPRINT WITHIN THE PREFERRED SITE

The main reasons for the location of the project in the selected area is as follows:

- The proposed site is big enough to accommodate the proposed Vodacom mast. The proposed size of the site is 8m x 10m = 80m².
- Access and electricity are available at the proposed site.
- No rare or endangered fauna or flora species were identified during the site visit.
- The site for the base station is currently vacant and is not being used by the landowner.
- No road construction will be necessary to the proposed site.
- Unnecessary stressing/impacting of the environment can be mitigated through the implementation of the recommendations contained in the Draft BAR. The impact on the environment will therefore not be significant. Other alternative sites are thus not feasible as the impact on the environment will be more significant than that of the proposed site.

The proposed site is thus highly suitable for a development of this kind.

8. CONSIDERATION OF ALTERNATIVES

8.1 DETAILS OF ALTERNATIVES CONSIDERED

Activity Alternatives

Activity alternatives that were investigated include the type of mast to be constructed i.e. lattice mast versus a monopole mast. The preferred alternative is that of a lattice mast. The advantages of this type of structure, is that one can look through the structure.

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Location Alternatives

The area where the activity is proposed is experiencing challenges with their cellular network, therefore the applicant saw an opportunity to provide assistance by the provision of a cellular structure that is to accompany more than one service provider.

The search for a suitable site starts with the identification of the need for improved cellular coverage in an area. The Radio Planners indicate the optimal position and sites within a 100m of this position is investigated.

A team investigates all possible positions within the 100m radius and approach land owners in order to lease a portion of their land for the structure.

Several options were investigated and a lease agreement was reached.

The proposed position is the position where the mast will be most sufficient to provide cell phone coverage in the area. The proposed 80m² site does not have any impact on big trees. It will not be necessary to remove any trees for the proposed development.

Concerns relating to the social impacts of a development such as this one could range around aspects such as dissatisfaction with the proposed infrastructure based on value judgements, e.g. perceptions that the "sense of place" could be disturbed.

It is recommended that possible negative impacts be mitigated through the implementation of the proposals contained in this report.

The writer came to the conclusion that, done in the right way the advantages of the proposed development, will outweigh the social disadvantages, which might result from the installation and existence of this infrastructure.

Technology Alternatives

The proposed mast will be a 30m lattice mast. Vodacom will implement elements of good visual design.

The proposed mast, in itself, represents an alternative to the conventional telephone lines. Cell phone networks reduce the number of poles significantly and circumvent the theft of copper wires.

NO-GO Alternative

This implies that the site be left as is and that no development or alteration be done.

The cell phone coverage and capacity will remain problematic in the area should this activity not take place. Should the mast not be built on the proposed site, then an alternative site must be planned.

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9. PUBLIC PARTICIPATION

9.1 INTRODUCTION

The public participation process as pertaining to this application for authorization, consisted of the following:

9.1.1 SITE NOTICE

A site notice was placed on site in order to inform passers-by of the proposed development and the associated Basic Assessment process (see Appendix D - Site Notice).

9.1.2 NEWSPAPER

An advertisement giving notice of the Basic Assessment process appeared in a local newspaper, the Noordwester, on 4 October 2019 (see Appendix E – Newspaper Advertisement).

9.2 CONSULTATION WITH OTHER PARTIES

The following authorities and/or other parties, were informed in writing of the proposed development:

- Bojanala Platinum District Municipality
- Madibeng Local Municipality
- Ward Councillor Ward 29

The following adjacent property owners were informed in writing of the proposed development:

- Pygmalion (Pty) Ltd
- Weleda Farm
- Jamipoint (Pty) Ltd
- Gromer
- Ms. Carolyn Seggar
- Mr. Mark Zofka

See Appendix F – Letters to Interested and Affected Parties.

9.3 SUMMARY OF ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Ms. Chamilla Sanua from Weleda Farm registered as Interested and Affected Party. Ms. Sanua does not want the proposed mast in the area.

The area where the activity is proposed is experiencing challenges with their cellular network, therefore the applicant saw an opportunity to provide assistance by the provision of a cellular structure that is to accompany more than one service provider.

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The search for a suitable site starts with the identification of the need for improved cellular coverage in an area. The Radio Planners indicate the optimal position and sites within a 100m of this position is investigated.

A team investigates all possible positions within the 100m radius and approach land owners in order to lease a portion of their land for the structure.

Several options were investigated and a lease agreement was reached.

Base stations transmit power levels from a few watts to 100 watts or more, depending on the size of the region or "cell" that they are designed to service.

The South African Department of Health sets out safety guidelines for all emissions throughout the electromagnetic spectrum (including RF emissions from base stations). These guidelines were developed by the International Commission on Non-ionising Radiation Protection (ICNIRP). The ICNIRP guidelines were endorsed by the European Commission in July 1999. The World Health Organisation (WHO) also endorsed the use of ICNIRP as a suitable safety standard for Radio frequency. The World Health Organisation's position is that the radio frequency field around base stations are typically a fraction of the levels stated in the safety guidelines and therefore do not constitute a health risk.

See Appendix G – Comments received from Interested and Affected Parties.

A copy of the Draft Basic Assessment Report will be submitted to the following stakeholders to comment on:

- Bojanala Platinum District Municipality
- Madibeng Local Municipality
- South African Heritage Resources Agency (SAHRA)

Comments received from Interested and Affected Parties will be made available in the Final Basic Assessment Report.

10. ENVIRONMENTAL ATTRIBUTES ASSOCIATED WITH THE FOOTPRINT ALTERNATIVES

10.1 CURRENT LAND USE

Portion 115 of the farm Bultfontein 475 JQ measures approximately 31,3983 hectares and the current land use for the property is agriculture.

10.2 FAUNA

No fauna was observed on site during the site visit.

10.3 FLORA

The veld type is classified by Mucina and Rutherford (2005) as Moot Plains Bushveld (SVcb8). The conservation importance of the veld types according to Mucina and Rutherford (2005) is summarized in Table 1.

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Table 1: Conservation Impor	tance of the veld type	
Vegetation	Biogeographical Importance Endemic taxon	Conservation
Moot Plains Bushveld (SVcb 8)	North-West and Gauteng Provinces: Main belt occurs immediately south of the Magaliesberg from the Selons River Valley in the west through Maanhaarrand, filling the valley bottom of the Magalies River, proceeding east of the Hartebeestpoort Dam between the Magaliesberg and Daspoort mountain ranges to Pretoria. It also occurs as a narrow belt immediately north of the Magaliesberg from Rustenburg in the west to just east of the Crocodile River in the east: also south of the Swartruggens-Zeerust line.	Vulnerable. Target 19%. Some 13% statutorily conserved mainly in the Magaliesberg Nature Area. About 28% transformed mainly by cultivation and urban and built-up areas. Very scattered occurrences to sometimes dense patches in places of various alien plants including Cereus jamacaru, Eucalyptus species, Jacaranda mimosifolia, Lantana camara, Melia azedarach and Schinus species.

The proposed site is located in a Critical Biodiversity Area (CBA) 2, see Appendix H – Sensitivity Map. The area is open and no large trees or endangered plant species occur on the proposed site. See Appendix I – Photos.

10.4 VEGETATION AND LANDSCAPE FEATURES

Open to closed, low, often thorny savanna dominated by various species of *Vachellia* in the bottomlands and plains as well as woodlands of varying height and density on the lower hillsides. Herbaceous layer is dominated by grasses.

10.5 CLIMATE

Summer rainfall with very dry winters. Mean annual precipitation (MAP) from about 55mm in the west to about 700mm in the east. Frost frequent in winter. Mean monthly maximum and minimum temperatures for Pretoria-Pur 33.6°C and -3.1°C for January and June, respectively.

10.6 TOPOGRAPHY

The study area falls between and incorporates portions of two mountain ranges, namely the Witwatersberg and the Magaliesberg. The highest elevation in the area is 1702m above sea level.

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10.7 SURFACE WATER

The proposed Vodacom mast will be located approximately 250m north of a dam.

10.8 GEOLOGY AND SOILS

Clastic sediments and minor carbonates and volcanics of the Pretoria Group and some Malmani dolomites in the west, all of the Transvaal Supergroup. There is also some contribution from mafic Bushveld intrusives. Soils often stony with colluvial clay-loam but varied, including red-yellow apedal freely drained, dystrophic and eutrophic plinthic catenas, vertic and melanic clays, and some less typical Glenrosa and Mispah forms.

10.9 CULTURAL/HISTORICAL ATTRIBUTES

No cultural features appear on the surface of the proposed development site.

10.10 SOCIO-ECONOMIC CHARACTER

Madibeng is characterized by diverse economy sectors, i.e. agriculture, mining, manufacturing and tourism. Mining is predominant with Madibeng being the world's third largest chrome producer which also includes the richest Platinum Group Metals Reserve (situated on the Merensky Reef). Granite is another mining component.

The turf soil is ideally for vegetation and Brits is known for the big variety and quality of fruit and vegetables supplied to, amongst others, the Tshwane Market. Due to the industrial area, consisting of a wide variety of industries, manufacturing is viewed as one of the dominant sectors.

Quite a few number of people in the Madibeng Local Municipal area is not educated (did not finish school). Less than 50% has a senior certificate.

10.11 AESTHETIC AND/OR VISUAL ENVIRONMENT

Due to the fact that the mast in question will be a lattice mast, will the visual impact be minimal.

Merely the distance over which a mast is visible, is not representative of the effect of a mast on the surrounding environment. The effect of the mast should rather be qualified, not in terms of how far it will be visible, but rather whether it will impact negatively upon the "Visual Quality Objectives" (VQO's) of a specific area.

"Visual Quality Objectives" (VQO's) can be described as objectives which reflect the desired level of visual quality, based on the physical characteristics and social concerns for an area.

Interested and affected parties have been given the opportunity through media, on-site advertising and personal notice letters, to raise comments (social concerns), regarding the effect of the mast on the "Visual Quality Objectives" (VQO's) of the area. The Draft Basic Assessment Report will be circulated to comment on.

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In order to establish whether the proposed mast will achieve the "Visual Quality Objectives" for the area as a whole, the environmental consultant conducted a "Visual Impact Assessment" at the mast site.

The result of the "Visual Impact Assessment", which was conducted, is also contained in Annexure J to this document. From this it can be seen that, of the two alternatives pertaining to the achievement of VQO's, the mast falls within the following category:

"VQO's will be partially preserved - Infrastructure and activities will be visible but subordinate".

Photos have been taken of the site, in order to present a visual perspective to the reader, on certain issues of importance. The said photos of the site are attached as Annexure I to this document.

11. IMPACTS THAT MAY RESULT FROM THE PLANNING AND CONSTRUCTION PHASE

11.1 METHODOLOGY UTILISED IN THE RATING OF SIGNIFICANCE OF IMPACTS

11.1.1. Introduction

The impact assessment aims at identifying potential environmental impacts (both positive and negative impacts) and evaluating these impacts in terms of its significance. This assessment is provided in the form of a systematic analysis framework to evaluate the nature, intensity and significance of the various impacts are considered both without and with mitigation and management measures.

Certain actions will take place during the planning & construction and operational phases of the proposed development, which relate to the environment. These actions have potential to impact on adjacent land uses and the natural environment.

In view of this a preliminary list of potential environmental impacts (issues) were identified – these issues can be summarized as follows:

- a) Potential for the proposed development to impact on the biological environment (i.e. fauna & flora) - especially red data species, biological communities, bio-diversity, etc.,
- b) Potential for the proposed development to impact on the current utilisation of the application property,
- c) Availability of engineering infrastructure to support the sustainability of the proposed development (electricity and roads),
- d) Potential for the proposed development to impact upon current adjacent land uses (i.e. **during construction** e.g. nuisances, erosion, pollution, etc.),
- e) Potential for the proposed development to impact upon current adjacent land uses (i.e. after establishment e.g. social conflicts, pollution, visual quality of the landscape, waste generation, etc.),
- f) Potential for the proposed development to impact on heritage resources,
- g) Potential for the proposed development to impact on the physical environment (air e.g. dust, water e.g. increased storm water, land e.g. soil compaction),
- h) Potential for the proposed development to impact on "quality of life" and character of the surrounding area,
- i) Potential for the proposed development to impact on natural resources,
- j) Social dimensions of the proposed development (e.g. crime, security management,

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etc.).

Detailed studies on potentially significant impacts will be investigated within the Basic Assessment study of the project for each aspect.

11.1.2. Impact Assessment Criteria

The assessment of the potential impacts of the envisaged development is undertaken in accordance with the broad criteria required by the integrated environmental management procedure and includes the following:

a. Nature of Impact

A brief description of the type of impact the proposed development will have on the affected environment.

b. Intensity

This criteria evaluates intensity of the impact and are rated as follows:

i. Minor

The activity will only have a minor impact on the affected environment in such a way that the natural processes or functions are not affected.

ii. Low

The activity will have a low impact on the affected environment.

iii. Medium

The activity will have a medium impact on the affected environment, but function and process continue, albeit in a modified way.

iv. High

The activity will have a high impact on the affected environment which may be disturbed to the extent where it temporarily or permanently ceases.

v. Very high

The activity will have a very high impact on the affected environment which may be disturbed to the extent where it temporarily or permanently ceases.

c. Determination of significance:

Significance is determined through a synthesis of the various impact characteristics and represents the combined effect of the extent, duration, intensity and probability of the impacts.

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i. No significance

The impact is not substantial and does not require any mitigatory action.

ii. Low

The impact is of little importance, but may require limited mitigation.

iii. Medium

The impact is of importance and therefore considered to have a negative impact. Mitigation is required to reduce the negative impacts to acceptable levels.

iv. High

The impact is of great importance. Failure to mitigate, with the objective of reducing the impact to acceptable levels, could render the entire development option or entire project proposal unacceptable. Mitigation and management is essential.

11.2 DESCRIPTION AND COMPARISON OF THE POTENTIAL IMPACTS

Description and comparison of the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the construction phase for the various alternatives of the proposed development. This includes an assessment of the significance of all impacts.

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11.2.1 Planning and Design Phase

Potential impacts:	Significance rating of impacts (positive or negative):	Proposed mitigation:	Significance rating of impacts after mitigation:
Floral Disturbances	Medium - Low	•Before any vegetation is removed, a suitably qualified person (i.e. on Environmental Control Officer request of a vegetation specialist) shall inspect the study area for any plant/ grass/tree species that could be transplanted to other similar/suitable areas.	Low
		• All invader or exotic plant species must be removed from the site and disposed of at a landfill site.	
		•Only indigenous floral species may be used during landscaping and rehabilitation.	
		•The size of the base station will measure approximately 8m x 10m (80m²) in extent. Limited natural vegetation will need to be disturbed.	
Faunal Disturbances	Medium - Low	•Snaring and hunting of fauna by construction workers on or adjacent to the site are strictly prohibited and the Local Municipality shall prosecute offenders. It should also be a condition of employment that any employees/ workers caught poaching will be dismissed.	Low
		Workers must be trained on how to deal with fauna species as intentional killing will not be tolerated.	

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		Where possible, work should be restricted to one area at a time, as this will give the smaller birds, mammals and reptiles a chance to weather the disturbance in an undisturbed zone close to their natural territories.	
Visual Impact	Medium - Low	•Due to the fact that the infrastructure in question will be a 30m lattice mast, it is deemed important that the visual impact be minimized. The proposed mast will blend in with the surrounding area. This will assist to lessen the visual impact. Vodacom will implement elements of good visual design.	Low
		•The contractor shall comply with the visual requirements of the Environmental Authorization.	
		•The contractor shall ensure that the visual impact of the construction activities is minimised.	
Network Upgrade	High – Medium (Positive)	Vodacom need to upgrade their network in the area. These network problems will be resolved after the mast has been erected.	High – Medium (Positive)
		•The residents in the area will benefit by this development as the cellular network in the area will be upgraded.	
		•Vodacom reception will improve in the Skeerpoort area.	

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11.2.2 Constructional Phase

During the construction phase (i.e. during the installation of the engineering services, there will be severe impacts on the bio-physical environment). Special care should be given to protected trees.

Ideally flora such as medicinal plants and firewood should be removed by local traditional healers / residents prior to construction if possible. Large trees should be retained where possible. Unnecessary removing of vegetation from areas which will not be utilised, should be avoided at all costs.

Contractors should remove all waste generated by themselves during the construction period and it should be disposed of at a suitable solid waste disposal site – "illegal dumping into the surrounding bush" should not take place.

Concerns are likely to range around the impacts caused by:

- · destruction of habitat/biodiversity,
- · noise and air pollution, and
- the security of adjacent properties (e.g. children).

Potential impacts:	Significance rating of impacts (positive or negative):	Proposed mitigation:	Significance rating of impacts after mitigation:
Floral Disturbances	Medium - Low	 Before any vegetation is removed, a suitably qualified person (i.e. on Environmental Control Officer request of a vegetation specialist) shall inspect the study area for any plant/ grass/tree species that could be transplanted to other similar/suitable areas. All invader or exotic plant species must be removed from the site and disposed of at a landfill site. 	Low
		Only indigenous floral species may be used	

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		during landscaping and rehabilitation.	
		•The size of the base station will measure approximately 8m x 10m (80m²) in extent. Limited natural vegetation will need to be disturbed.	
Faunal Disturbances	Medium - Low	•Snaring and hunting of fauna by construction workers on or adjacent to the site are strictly prohibited and the Local Municipality shall prosecute offenders. It should also be a condition of employment that any employees/ workers caught poaching will be dismissed.	Low
		•Workers must be trained on how to deal with fauna species as intentional killing will not be tolerated.	
		•Where possible, work should be restricted to one area at a time, as this will give the smaller birds, mammals and reptiles a chance to weather the disturbance in an undisturbed zone close to their natural territories.	
Visual Impact	Medium - Low	•Due to the fact that the infrastructure in question will be a 30m lattice mast, it is deemed important that the visual impact be minimized. The proposed mast will blend in with the surrounding area. This will assist to lessen the visual impact. Vodacom will implement elements of good visual design.	Low
		•The contractor shall comply with the visual requirements of the Environmental Authorization.	

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		The contractor shall ensure that the visual impact of the construction activities is minimised.	
Pollution	Low	•The liberation of dust into the surrounding environment shall be effectively controlled by water spraying.	Low
		Machinery or equipment used on the site must not constitute a pollution hazard in respect of air pollution via excessive exhaust fumes. This shall be inspected regularly by the contractor and rectified immediately.	
		•No open fires will be allowed to be made on site.	
Safety on Site	Low	•The implementation of an Occupational Health and Safety management system should be required of all contractors. Safety measures and work procedures/instructions should be communicated to all construction workers. First aid facilities shall be on hand at all times. Medical screening of employees shall take place.	Low
		•The contractor shall implement adequate and mandatory safety precautions relating to all aspects of the operation. Warning and advisory signage should also be implemented (also with regards to vehicular movement along public roads).	

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An environmental impact analysis must always include some statement, definition and delineation of specific environmental 'problems'. Some judgements necessarily have to be made during the steps of predicting, analysing, and judging, environmental impacts therefore this impact assessment has taken into account the following parameters during evaluation of the potential impacts that might result from the proposed development:

- the geographical area/extent of the impact (e.g. local, immediate, regional or national),
- status & intensity (positive (beneficial) or negative (detrimental)),
- significance (an impact of low significance will have only a limited effect on the environment, whereas an impact of high significance will have a major impact on the environment.),
- the probability of an impact (for example "definite', "highly probable", "probable" or "improbable"), and
- the duration of an impact.

In order to undertake the identification of the key issues (significant potential impacts) that might result from the proposed development the writer will rely on the following:

- inputs from Interested & Affected Parties (I&AP's), and
- · inputs from specialists.

In this document the writer will allude to alternatives. The purpose of this is to ensure that the developer considers other approaches to the project (that could assist in preventing significant environmental damage). If unforeseen difficulties arise, for example during the operation of the project, re-examination of these alternatives may help to provide rapid and cost-effective solutions.

Each impact was assessed according to the project stages, viz;

- site preparation/construction, and
- operation.

An impact of "low significance" will have only a limited effect on the environment, whereas an impact of "high significance" will have a major impact on the environment.

A "positive impact" is one which enhances the existing environment, whereas a "negative impact", is one which degrades the environment. Where impacts are of high or low significance, the degree of probability has been evaluated and includes the terms "definite", "probable", "possible" or "improbable".

The assessment of the effects of an impact hereunder assumes that mitigation measures have been implemented. If this is not done a range of negative impacts will have a greater effect and positive impacts would not be enhanced.

The duration of an impact is assumed to be short term (less than one year); medium term (one to three years) and long term (beyond three years). Sensitive or vulnerable environments or features as well as secondary and cumulative impacts were also taken into account during evaluation of impacts.

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12. ENVIRONMENTAL IMPACT STATEMENT

12.1 SUMMARYOF KEY FINDINGS OF THE EIA

It can be concluded that there will be environmental impacts as a result of the proposed Vodacom mast. However, all the impacts can be mitigated to an acceptable extent. Most of the impacts can be avoided and potential impacted areas will be demarcated as no-go or limited areas, therefore limiting the possible negative environmental impacts.

12.2 SUMMARYOF POSITIVE AND NEGATIVE IMPACTS AND RISKS OF THE PROPOSED ACTIVITY AND IDENTIFIED ALTERNATIVES

12.2.1 Positive Impacts

Socio economic upliftment in the area. The development will improve Vodacom reception in the area.

12.2.2 Negative Impacts

The development can have negative impacts on the environment during the construction phase. The negative impacts of the development can however be mitigated effectively by application of the mitigation measures in this report and in the EMPr.

13. FINAL PROPOSED ALTERNATIVES RESPONDING TO THE IMPACT MANAGEMENT MEASURES FROM SPECIALIST REPORTS, PROPOSED IMPACT MANAGEMENT OBJECTIVES AND IMPACT MANGEMENT OUTCOMES FOR INCLUSION IN THE EMPR

The preferred layout and location of the development is the proposed alternative.

The land demarcated where development is proposed to take place is suitable for this development in terms of:

- Not being ecologically sensitive and already regarded as disturbed land by previous development.
- Impacts of the development which is mitigatable and can be well managed.

The preferred mast type will be the lattice mast as it will blend in with the surrounded area. The visual impact on such a structure will be less.

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14. ENVIRONMENTAL MANAGEMENT PROGRAMME

14.1 DETAILS OF PERSON WHO PREPARED THE ENVIRONMENTAL MANAGEMENT PROGRAMME

This Environmental Management Programme (EMPr) was compiled by:

TEKPLAN Environmental P.O. Box 55714 POLOKWANE 0700

Tel: (015) 291 4177 Fax: 086 218 3267

Email: tecoplan@mweb.co.za

Contact person: Mr. Anton von Well (NHD Nature Conservation)

14.2 INTRODUCTION

In terms of the National Environmental Management Act of 1998 (Act No. 107 of 1998) activities related to the construction of cellular base stations and associated infrastructure may have an impact on the environment and it is imperative that precautions be taken to ensure that environmental damage is minimised. The purpose of the Environmental Management Programme (EMPr) is to give effect to precautionary measures, which are to be put in place for controlling the activities that take place on site during the construction & operational phases of a project and to serve as a working document concentrating specifically on certain activities with the purpose of reducing the danger of adverse impacts or effects on the environment.

The EMPr specifies procedures and practices, which should be implemented during construction activities, and monitored by an Environmental Control Officer (ECO) appointed by Vodacom.

The objectives of the EMPr are to:

- → Ensure that all pertinent environmental issues and the concerns of DEDECT are addressed:
- → Determine environmental conditions and sensitivities of the site and areas outside that may be impacted on by the project;
- → Ensure acceptability of design and construction practices with respect to identified impacts and prescribed mitigation measures;
- → Provide strategies for obtaining and/or complying with all environmental approvals, permits and agreements, and to provide a monitoring program;
- → Integrate environmental strategies with all design and construction work; and
- → Provide input and strategies for environmental quality control and risk management during all phases of the project.

The EMPr presented here incorporates these components through the environmental design criteria and specifications for cellular base stations and associated infrastructure. To ensure the effective implementation of these criteria and specifications, Vodacom must be committed to undertaking a program of environmental monitoring during the construction phase. An ECO must provide this service to the applicant. The ECO should ensure compliance with the requirements of the EMPr.

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14.3 ENVIRONMENTAL DESIGN AND SPECIFICATIONS

The project involves the establishment of a telecommunication base station that may include the following activities for which environmental design criteria and specifications have been developed:

- → A 30m telecommunication mast;
- → Equipment housing;
- → Receiving and transmission equipment of any size or design;
- → Electronic cabling connections;
- → Electrical connection;
- → Security fencing and walling;
- → Any equipment or activity necessary for the establishment of the base station;
- → Access road.

14.4 DEFINITIONS

In this document, unless the context requires otherwise -

→ Pre-construction

Involves all facets for the preparation of the site for construction.

→ Construction

For the purpose of this document construction is defined as the erection of cellular structures and the installation of electronic equipment.

→ Post-construction / Operational

This phase includes the take-over of the site by the service provider and the period during which the structure is operational.

→ Decommissioning Phase

This phase includes dismantling of the cellular structure and the removal of equipment.

14.5 THE CONTRACT

The EMPr shall form part of the legal contract between Vodacom, the contractor and the subcontractors. Vodacom shall build the EMPr into all contracts and commit the contractors to make the EMPr part of any works subcontracted. Failing to adhere to the EMPr requirements shall lead to severe penalties to be levied against the contractor and/or subcontractors.

A commitment from Vodacom and its contractors and subcontractors are required on the following issues:

- → Always behave professionally on and off site;
- → Ensure quality of work done, technical and environmental;
- → Resolve problems and claims arising from construction and/or maintenance damage immediately to ensure a smooth flow of operations;
- → To use this EMPr for the benefit of all involved;
- → To preserve the natural environment by limiting destructive actions on site;

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An agreement is to be signed by the contractors and/or subcontractors that:

- → He knows and understands the contents of the EMPr;
- → He is able and shall comply with all legislation pertaining to the nature of the work to be done and all things incidental thereto.

Vodacom will institute contractual measurements to ascertain that its contractors and/or subcontractors and representatives adhere to the environmental obligations agreed upon.

14.6 ENVIRONMENTAL CONSTRUCTION SUPERVISION

An Environmental Control Officer (ECO) must be appointed to ensure that construction activities associated with the establishment of a base station will comply with environmental specifications and regulatory requirements, thus minimizing adverse biophysical and social impacts and resulting liabilities.

During construction, the ECO's key responsibility will be to ensure that the environmental management measures, controls, and specifications are properly implemented as per the terms and conditions issued by DEDECT. Responsibilities will include:

- → Delivering environmental education and awareness to construction staff prior to and during on-site works;
- → Providing technical assistance on environmental matters to construction staff;
- → Inspecting all activities during construction to ensure compliance with terms and conditions of approvals; and
- → Documenting construction activities by notes and photographs.

14.7 ENVIRONMENTAL SPECIFICATIONS AND CONDITIONS

To assist in complying with the applicable national and municipal laws, regulations, permits, licenses and approvals, the following Environmental Specifications and Conditions have been drafted. These specifications are not exhaustive and are meant to clarify various regulatory requirements. In the event of a discrepancy between these guidelines and legislation and/or regulations, the latter shall apply or if regulations or laws are amended, the amended regulations may apply.

14.7.1 General Obligations during the Pre-Construction and Construction Phase

14.7.1.1 IMPACT: Infrastructure quality					
Activity	Mitigation Measures	Responsible	Time Frame		
and materials to be utilised	The specification of the design and materials to be utilised in the construction of the cellular base station and associated infrastructure must comply with the minimum specification requirements as prescribed by Vodacom.	responsible for	During planning/pre- construction phase		

14.7.1.2 IMPACT: Infrastructure requirements specified in the Environmental Authorization				
Activity	Mitigation Measures	Responsible	Time Frame	
Requirements and recommendations specified in the Environmental Authorization	The site must be positioned and designed in accordance with the specific conditions as set out in the Environmental Authorization. The contractor shall observe all requirements and recommendations specified in the Environmental Authorization with specific reference to the type, height and colour of the mast and equipment.	responsible for construction	During planning/pre- construction phase	

14.7.1.3 IMPACT: Dust, Noise and Water Pollution					
Activity		Mitigation Measures		Responsible	Time Frame
Earthworks and vegetation clearance	Affected parties on or in the vicinity of the site, including in particular surrounding landowners and any official responsible for existing installations on the site, shall be advised in advance of unavoidable disturbances.			Contractor responsible for construction	During planning/pre- construction phase & construction phase
	Activities that generate unavoidable disturbances through the creation of noise or dust must be limited to normal working hours in order to avoid complaints by the surrounding landowners. The contractor shall address any complaints.				
	The contractor shall	identify any water resou	rce in the proximity		
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of the site and shall ensure that drainage from construction areas is such that the clarity and quality of water is in no way	
affected by construction activities.	

14.7.1.4 IMPACT: Protection of Flora and Fauna					
Activity	Mitigation Measures	Responsible	Time Frame		
	Trampling and disturbance associated with construction activities should be limited to within five metres of the footprint of the site. Ensure minimal disturbance to the natural flora and fauna of the area.	•	Construction phase		

14.7.1.5 IMPACT: Litter			
Activity	Mitigation Measures	Responsible	Time Frame
	The contractor shall not permit work teams to litter tins, paper, glass etc. and construction debris. On completion of the project all litter and construction debris shall be removed from the site immediately. Under no circumstances shall litter and debris be buried or hidden on or near the site after project completion.		Construction phase

7.1.6 IMPACT: Blasting	g		
Activity	Mitigation Measures	Responsible	Time Frame
Blasting	The Contractor shall notify residents should blasting be required and shall adhere to the requirements of the Explosives Act, 1956. Notices shall be placed on site in order to inform the adjacent owners of blasting activities and the contractor shall give all potentially affected parties notice of his intent to execute any blasting work. Blasting will be done at appropriate times of the day to ensure that noise disturbance	for construction/sub- contractor responsible for blasting	Construction phase

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and vibrations are kept to a minimum, and blasting will be undertaken using appropriate techniques.	
The contractor will be bound to ensure that blasting operations do not cause damage to property. The contractor shall also be obliged to ensure that the dangers of fly rock to people and properties are eliminated. The contractor shall keep a photographic record of the condition of the affected buildings or structures and shall acquire the signature of the surrounding owners/occupants agreeing to the condition of the structures.	

14.7.1.7 IMPACT: Excavations						
Activity	Mitigation Measures	Responsible	Time Frame			
Earthworks	Unless otherwise specified by the Vodacom Environmental Representative, topsoil shall be stockpiled separately from the base course material. Fill slopes are to be allowed to slump to their naturally occurring slope and cut embankments are to be cut back to a 1:3 slope. All slopes are to be covered by a minimum of 200mm depth of topsoil during the rehabilitation phase of the project.	for construction	Construction & Rehabilitation phase			

14.7.1.8 IMPACT: Surfacing material					
Activity	Mitigation Measures	Responsible	Time Frame		
Surfacing	Surfacing material selected shall be compatible with the surrounding environment.	Contractor responsible for construction	Construction & Rehabilitation phase		

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14.7.1.9 IMPACT: Historical Sites and Objects					
Activity	Mitigation Measures	Responsible	Time Frame		
Earthworks and vegetation clearance	If a seemingly historical object, gravestone, geological feature or other distinguishable area of disturbance is observed on the site, the said object or area shall not be removed or tampered with.	•	During pre- construction phase & construction phase		
	Archaeological monitoring of the site during earthworks to record and document sub-surface stratified cultural deposit.				
	The contractor shall immediately report the presence of seemingly historical sites and objects to Vodacom and to the South African Heritage Resources Agency (SAHRA).				

14.7.1.10 IMPACT: Site Access Road					
Activity	Mitigation Measures	Responsible	Time Frame		
Construction vehicles making use of the access	3	Contractor responsible for construction	Construction phase		
road to the construction site	Access to the site used by the contractor shall be maintained during construction to avoid dust.				
	The area affected by the access road, turning circles and parking of vehicles around the site shall be minimised. Vehicles shall adhere to the designated roads and areas and not be allowed to depart from it. The contractor shall implement the rehabilitation of the area affected by the construction vehicles.				

14.7.1.11 IMPACT: Stormwater Management						
Activity		Mitigation Measures		Responsible	Time Frame	
Stormwater Management	Before the comme	ncement of construction	on, the ECO shall	ECO and contractor	During planning/pr	
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indicate which stormwater measures should be applied during the construction of the cellular base station and associated infrastructure.	construction phase & construction phase
During construction and particularly during the rainy season, berm walls shall be installed around the stockpiled areas on the site to prevent stormwater depositing this material onto adjacent properties or roads.	
The contractor and subcontractors shall adhere to the recommendations of the ECO and the design specifications.	

14.7.1.12 IMPACT: Servicing of Vehicles and Equipment on Site					
Activity	Mitigation Measures	Responsible	Time Frame		
Servicing of Vehicles and Equipment on Site	No servicing of vehicles is to be permitted on site. Servicing of equipment may take place on site but only when unavoidable, such as generators. In this case, all steps must be taken to ensure that no oil is spilt and that all waste, such as filters, is removed from the site and disposed in an environmentally legal manner.	for construction	Construction phase		

14.7.1.13 IMPACT: Noise from generator						
Activity	Mitigation Measures	Responsible	Time Frame			
Temporary Power Supply	Should a generator be deployed such generator shall comply with the maximum noise levels as stipulated in the Noise Control Regulations published under the Environment Conservation Act, 1989 (Act No 73 of 1989)	for construction	Construction phase			

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14.7.1.14 IMPACT: Fires						
Activity	Mitigation Measures	Responsible	Time Frame			
Fires	No open fires shall be allowed in the veld under any circumstances.	Contractor responsible for construction	Construction phase			
	The contractor shall ensure that adequate firefighting equipment, fit for purpose and reasonable in the circumstances, is available on site at all times. All personnel on the site shall be trained in the use of such equipment.					

14.7.1.15 IMPACT: Cooking and Washing Facilities					
Activity	Mitigation Measures	Responsible	Time Frame		
Cooking and Washing Facilities	Ensure that safe and adequate provisions are made for the contractor's personnel to cook and wash without creating risks of fire and water pollution. If methane gas is used, care should be taken to ensure that no leakage or risk of explosion exists.	for construction	Construction phase		

14.7.2 Construction Camp

The contractor shall pay specific attention to the following aspects:

14.7.2.1 IMPACT: Staff Facilities				
Activity	Mitigation Measures	Responsible	Time Frame	
Construction camp	Define the area of the construction camp and place it so as to have minimal impact on the environment.	ECO and contractor responsible for construction	During planning/pre- construction phase & construction phase	

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14.7.2.2 IMPACT: Workers Accommodation				
Activity	Mitigation Measures	Responsible	Time Frame	
Workers Accommodation	Make suitable arrangements for accommodating the workers in a designated area that has been approved by the landowner and ECO.		During planning/pre- construction phase & construction phase	

14.7.2.3 IMPACT: Ablution Facilities					
Activity	Mitigation Measures	Responsible	Time Frame		
Ablution Facilities	Should existing toilet facilities not be available on or near the construction site, such facilities shall be supplied and maintained for the use of the contractor's staff. Regular inspections shall be carried out to ensure toilets are kept in a hygienic state. Toilet paper shall be supplied to all toilets. Staff shall be advised to the fact that they should use these toilets at all times.	•	Construction phase		

14.7.2.4 IMPACT: Security and Privacy of surrounding properties					
Activity	Mitigation Measures	Responsible	Time Frame		
Activities of construction workers	During the construction period the inconvenience to the surrounding property owners should be kept to an absolute minimum. The management of workers during construction is essential to avoid intrusion of people's privacy and properties. Define the area of the construction camp in such a manner as to limit the movement of site personnel.	for construction	Construction phase		

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14.7.2.5 IMPACT: Water Supply				
Activity	Mitigation Measures	Responsible	Time Frame	
Water Supply	Agree upon the source of water supply with the ECO and the landowner.	Contractor responsible for construction	During planning/pre- construction phase & construction phase	

14.7.2.6 IMPACT: Solid Waste Disposal					
Activity	Mitigation Measures	Responsible	Time Frame		
Solid Waste Disposal	Agree upon the method of waste disposal with the ECO. Particular attention shall be given to the disposal of solvents and other products used in the painting as well as any plastic components used in electrical wiring. The collection point for waste material shall be an enclosed structure to eliminate the risk of wind scatter. All waste must be disposed to a previously identified, registered or permitted waste disposal site.	for construction	During planning/pre- construction phase & construction phase		

14.7.3 Cellular Installation Site

The contractor shall pay specific attention to the following aspects:

14.7.3.1 IMPACT: Site Clearance and Leveling						
Activity	Mitigation Measures	Responsible	Time Frame			
Site Clearance and Leveling	Clear the area of the site paying specific attention to the specifications of the EMPr.	Contractor responsible for construction	Construction phase & Rehabilitation phase			
	Level the area of the site and remove any surplus material from the site. Topsoil should be stockpiled to be used in the rehabilitation process.					

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Activity	Mitigation Measures	Responsible	Time Frame
Foundation Preparation	Material emanating from the excavation of foundations should be stockpiled for later use in the rehabilitation of the site. When casting concrete foundations, care must be taken to avoid spilling concrete on the site. Any material spilled must be collected and disposed of with the other waste from the site. Ensure that no erosion of the foundation takes place, especially if gravel is used beyond the perimeter of the fence for the levelling of the foundation. All fill originating from the site shall be levelled and incorporated into the surroundings and rehabilitated in such a way that it blends in with the surrounding natural environment. All excess construction material shall be removed from the site by the contractor and disposed to a previously identified waste disposal site as	Contractor responsible for construction	Construction & Rehabilitation phase

14.7.3.3 IMPACT: Herbicides and Insecticides					
Activity	Mitigation Measures	Responsible	Time Frame		
Use of herbicides and insecticides to protect the installations	Should it be necessary to make use of herbicides and insecticides to protect the installations, the application of such chemicals shall be restricted to the base station site.	Contractor responsible for construction	Construction phase		
	The application of the herbicides and insecticides shall be done in accordance with the stipulations of The Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act No 36 of 1947.				
	The contractor applying any herbicides and insecticides shall be in possession of a Pest Control Operator (PCO) license.				
	The application of the chemicals shall not exceed the prescribed dosage for the specific product used.				

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In all instances the application of the herbicides and insecticides should be of such nature that it will not cause any	
environmental harm.	

14.7.3.4 IMPACT: Fencing and Security of the Sites					
Activity	Mitigation Measures	Responsible	Time Frame		
Fencing and Security of the Sites	When required in terms of the Specific Conditions of the Environmental Authorization a security fence shall be erected around the site.		Construction phase		
	Lighting of the site shall be done in such a way that it will not be an inconvenience to surrounding landowners.				

14.7.3.5 IMPACT: Sourcing Materials from the Site						
Activity	Mitigation Measures	Responsible	Time Frame			
Sourcing Materials from the Site	The contractor shall store sand, stone and cement in a demarcated area and care shall be taken not to allow any materials to spill beyond the site. Concrete mixing shall take place in a defined area and on top of boarding or sheeting so as to protect the ground. These boards and/or sheeting shall be removed from the site once the mixing is complete. Any spillage or overrun of material, which may occur, must be cleaned and removed from the site by the contractor.	for construction	Construction phase			

14.7.3.6 IMPACT: Chemical, Fuel, and Oil Handling					
Activity	Mitigation Measures	Responsible	Time Frame		
Chemical, Fuel, and Oil Handling	All Contractors shall ensure that an emergency cleanup program is in place in event of an accidental spill or leak of	•	Construction phase		

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fuel, oil or chemicals.	
Spillage of oil from crankcase oil draining or other such activities shall be prevented. If an accident occurs and fuels, oils or chemicals are spilled or dumped on the ground, the affected soil shall be removed, placed in drums and disposed of in compliance with national legislation.	
Disposal and storage of materials such as water, rags, and pads, containing oils, filters, chemicals, liquid fuels, lubricating oils, or other potentially hazardous materials shall be in a manner satisfactory to the ECO.	
Hazardous chemicals, fuels, and other noxious or toxic substances shall be stored in covered containers in fenced areas for security reasons.	

14.7.3.7 IMPACT: Structure Assembly Area					
Activity	Mitigation Measures	Responsible	Time Frame		
Structure Assembly	An area shall be defined by the contractor to allow for the assembly of the mast. This must take into account the need for off-loading or the component parts and positioning of the crane on solid ground for the final erection of the mast. This shall be planned to require the minimal removal of vegetation or risk of damage to the surrounding structures.	for construction	Construction phase		

14.7.3.8 IMPACT: Priming and Painting						
Activity	Mitigation Measures	Responsible	Time Frame			
Priming and Painting	Care must be taken by the contractor to avoid the spillage of painting and solvent material on site. Adequate containers for cleaning of equipment and for the storage of waste products must be provided and all waste products resulting from the	for construction	Construction phase			

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painting operation must be entirely removed from the site by the contractor.	

14.7.3.9 IMPACT: Waste from Electrical Connections				
Activity	Mitigation Measures	Responsible	Time Frame	
Work on Electrical Connections	All waste products resulting from electrical connections must be removed from the site by the contractor.	Contractor responsible for construction	Construction phase	

14.7.3.10 IMPACT: Visual Impacts of construction activities				
Activity	Mitigation Measures	Responsible	Time Frame	
Visual Impacts of construction activities	The contractor shall comply with the visual requirements of the Environmental Authorization. The contractor shall ensure that the visual impact of the construction activities is minimised.	•	Construction phase	

14.7.3.11 IMPACT: Rehabilitation				
Activity	Mitigation Measures	Responsible	Time Frame	
Rehabilitation	When the civil and construction work is complete, the site shall be cleaned and rehabilitated by the contractor.	Contractor responsible for construction	Construction & Rehabilitation phase	
	All waste materials, infrastructure, equipment, plant and other items used during the construction shall be removed from the site. No burial of any foreign material on the site shall be allowed.			
	Areas devoid of vegetation or where spoils have been compacted shall be covered with topsoil and if necessary, be seeded, in order to allow for the vegetation to re-establish.			

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14.7.4 Post-Construction and Operational Phases

This phase will determine the ultimate success of the implementation of the management proposals of the EMPr. A post construction environmental audit is to be conducted by the ECO in order to ensure that all conditions of the EMPr have been adhered to.

14.7.4.1 IMPACT: Servicing and Maintenance				
Activity	Mitigation Measures	Responsible	Time Frame	
Servicing and Maintenance	Herbicides and Insecticides should be applied according to the specifications of this EMPr and within the prescribed dosage. Where repainting has been undertaken, all waste materials shall be removed from the site.	Contractor responsible for maintenance of the site	Post-Construction and Operational Phases	
	Existing access roads to the site shall be used. Where such roads have been damaged by erosion, repairs shall be undertaken to avoid further damage of the road and the surrounding environment.			

14.7.5 Decommissioning Phase

14.7.5.1 IMPACT: Decommissioning of the site				
Activity	Mitigation Measures	Responsible	Time Frame	
Decommissioning of the cellular base station	Should a cellular base station be decommissioned this process shall comply with the stipulations of the Occupational Health and Safety Act (Act 85 of 1993). The decommissioned structures shall be removed from the site.	Vodacom and contractor responsible for decommissioning of the base station	Decommissioning Phase	
	When a new structure is to be erected on the same site, the contractor shall comply with all the conditions as set out in the EMPr.			
	When the site is no longer required, the area of the base			

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station shall be rehabilitated to conform to the immediate	
surrounding environment.	

14.8 AMENDMENTS TO THE EMPr

Any issues that may arise during the construction or operational phase which are not covered in this EMPr shall be addressed as addendums to the EMPr and submitted for approval prior to implementation.

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15. CONCLUSION

In conclusion it can be stated that several negative and positive impacts/effects can potentially arise from the proposed development. These can however be mitigated through the implementation of a number of mitigation measures (as contained in the *Environmental Management Programme*) – see Section 14 of this document. The mentioned EMPr provides guidelines to contractors on alternative ways of conducting construction activities and to lessen the overall impact of construction.

The proposed development possesses the potential to have a negative impact on the natural environment (if appropriate mitigatory measures not be implemented). The proposed development will have a visual impact, this can however be avoided through adherence to the proposed mitigatory measures as contained in this report.

It is of vital importance that the proponent takes note of the recommendations contained in this document in order that it can be included into the contracts of the parties that will be responsible for construction.

The Department of Economic Development, Environment, Conservation and Tourism (DEDECT) is respectfully requested to approve this Basic Assessment Report, which forms part of the application that has been lodged in terms of Regulation 326 of the EIA Regulations published in Government Notice No. 40772 of 2017 and Section 24(5) read with section 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) — the said application specifically pertains to the activities that are to be undertaken as described in Section 3, in this document.

16. UNDERTAKING UNDER OATH OR AFFIRMATION BY THE EAP

I, Anton von Well, appointed EAP for the proposed application for Environmental Authorization for the Vodacom mast on Portion 115 of the farm Bultfontein 475 JQ, hereby confirm:

- Correctness of the information provided in this report
- All comments and inputs and responses from stakeholders and I&APs are included here.
- All inputs and recommendations from the specialist reports where relevant, are included.

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