
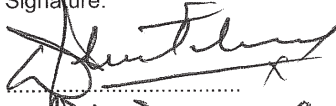
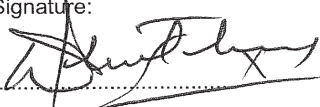
	<b>WCOU DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENT (DESD) TEMPLATE</b>	<b>WESTERN CAPE OPERATING UNIT</b>
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<b>Project Name and Number:</b>	VBN117426635
<b>Location:</b>	VREDEBURG
<b>Customer Network Centre:</b>	VREDENBURG
<b>Date DESD Completed:</b>	
<b>DESD Completed by:</b>	<input checked="" type="checkbox"/> Engineering Surveyor <input type="checkbox"/> Environmental Practitioner <input type="checkbox"/> Environmental Advisor <input type="checkbox"/> Customer Exec/ Advisor Other: ..... .....
<b>DESD Form completed by.....</b> LAURENS MAART (Name & Surname) in consultation with : WEST COAST FOSSIL PARK TRUST. CAPACITY (e.g. land owner, specialist): LAND OWNER, CHAIRMAN OF TRUSTEES .....	Signature:  Signature:  DR. D. I. MITCHELL
<b>Accepted by Land Owner/s/Users</b> W. C. F. P. T. ..... (Declaration by Land Owner/ User/ Manager) I have seen the completed document and accept the recommendations made.	Signature:  DR. D. I. MITCHELL

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## GUIDELINE TO DESD COMPILERS

### 1. PURPOSE

The purpose of this DESD is to:

- Determine whether or not the project triggers a listed activity in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations (EIA) 2006, and thus require an Environmental Authorisation before construction can commence.
- Identify and mitigate the negative impact of Eskom's activities to a minimum in line with both Legislation and Eskom's Environmental Policies.
- Inform route selection and engineering design.
- Provide opportunity for alternative selection of routes upon assessment of impacts on proposed location and provide mitigation measures.

### 2. INSTRUCTIONS AND SUBMISSION PROCESS

2.1 The DESD must be completed before survey in order to consider alternatives.

2.2 Mark the appropriate box with an 'x' where applicable.

2.3 Please COMPLETE ALL REQUIRED INFORMATION and where the question / statement is not applicable mark N/A.

2.4 DESD forms must be accompanied by a locality map with a project drawing and photographs of the site.

2.5 Indicate sensitive areas on a map and/or spanning plans.

2.6 DESDs must be **scanned and e-mailed with supplementary information** to the following people:

- To Theresa Anders (and CC Justine Wyngaardt) for West Coast (all projects up to Springbok), Bellville, all other Cape areas. A hardcopy must be sent to her as well.
- To Maureen Buskes (and CC Justine Wyngaardt) for Northern Cape projects beyond Springbok to Upington, Prieska and Garden Route areas. A hardcopy must be sent to her as well.

### 3. APPROVAL OF DESDs AND FEEDBACK TO CONTRACTOR/ CNC

**Step 1:** Maureen and Theresa will register the DESD submission and forward the DESD and supplementary information to Environmental Management

**Step 2:** Environmental Management has 5 days to approve/ reject the DESD or to seek additional information. During this time the DESD will be evaluated, the impact of the project assessed and mitigation measures identified.

**Step 3:** Feedback on the DESD will be given by returning (i) a ratification sheet, (ii) a Permit and Licence Checklist and (iii) an Environmental Management Programme to either Maureen or Theresa.

**Step 4:** Maureen and Theresa will forward the above documentation with the spanning sheets, way-leaves and/or stat approvals (if applicable) to the relevant Customer Services representative.

**Step 5:** The Customer Services Representative shall ensure that the DESD and documents specified in Step 3 above is included in the Project Package that is given to the contractor and relevant CNC. These documentation must form part of the project specification to the project engineering designer and contractor (to the CNC if not constructed by a contractor).



**Step 6:** The Customer Services representative shall inform Environmental Management (Donald Matjuda) of construction start 5 days in advance @ (021) 980 3364 or e-mail to [MatjudD@eskom.co.za](mailto:MatjudD@eskom.co.za)

**Step 7:** Environmental Management will randomly select 4-5 projects per month to audit compliance with ratification conditions and EMP. The NCR process will be followed for non-compliance.

**4. ADDITIONAL INFORMATION NEEDED WITH DESD SUBMISSION**

Additional supplementary information is required to apply for relevant permits from authorities and to adequately assess the DESD. Note that DESDs submitted with no supplementary information might be delayed and/or rejected. The following must accompany the DESD application. Please indicate what supplementary information has been submitted with DESD.

Supplementary Information	Not Applicable	Attached to Application?	
		Yes	No
Locality Map		✓	
GPS coordinates of sensitive features (river crossings, wetlands, trees, graves, old structures or buildings, etc.)	X		
Photographs of site (location of proposed infrastructure within the surrounding environment)			
Photos of trees to be removed (if trees need to be removed please take a photo of the tree and a close up of a branch of the tree in order to identify the tree)	X		
Development Environmental Authorisation (eg. Vodacom, municipal housing development, etc.)	X		
GPS coordinates of location of new infrastructure (start, middle and end)	X		
Any other supplementary information supplied? <i>Specific location agreed with the landowner (the West Coast Fossil Park is a national heritage site)</i>			

*DM*

**SECTION A: PROJECT SCOPE AND ADDITIONAL INFORMATION**

**1. PROPERTY INFORMATION (PLEASE COMPLETE IN FULL)**

Area/ Town:	VREDENBURG		
Municipality:	WEST COAST SWARTLAND		
Rural Scheme Feeder:	AMCOR F1		
Voltage:	11KV		
Supply from (Scheme name, pole numbers for tee-off):			
Erf or Farm Name and Nr etc. (property for which application is made)	LANGERG / LANGEBERG,		
Street Address (e.g. Off R44, Stellenbosch):	OFF THE R45		
GPS Coordinates of Property (A logical centre point. Format based on WGS84):			
Extent of Property (Hectares):	291,8876 HA (Site "MU")		
Land Use (e.g. Agricultural, Residential, Industrial, etc.):	FOSSIL PARK		
Land Owners Telephone Nr:	(Home) 022 766 1606	(Cell) 083 2896902	(Fax) 022 766 1765
Land Owners Email Address:	pih@fossilpark.org.za / duboo@uwes.co.za		
Total Length of Line (m)	METER KIOSK		

**2. PROPERTIES TRAVERSED**

Farm Name:	LANGEBERG		
Farm Number (Registration Nr, Division and Sub-division):	MALMESBURY FARM 185 PARTION 29		
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		Line Length (m):	
Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):			

*[Handwritten signature]*

**3. PROJECT SCOPE AND SUPPLEMENTARY INFORMATION**

Give a brief description of the project scope, including all activities anticipated:				
Will the power line/ cable be 300m or longer? (Y/N)	YES		NO	✓
Will the line be near any or affect any old structures or buildings or known historical towns.	YES		NO	✓
Are there any marked or unmarked graves on the route/ or on site?	YES		NO	✓
Will any planned activity or infrastructure be within 100meters of a watercourse (rivers/ streams/ dams)?	YES		NO	✓
Is any portion of the power line or cable or any other infrastructure within 32m of a watercourse/ wetland?	YES		NO	✓
Will any planned activity or infrastructure be within 500meters of a wetland (seasonal and permanent)?	YES		NO	✓
Is any portion of the power line or proposed activity within 100m of the high-water mark of the sea/ estuary/ lagoon?	YES		NO	✓
Is any property affected a nature reserve or conservancy?	YES	✓	NO	
Will the power line be going through or adjacent to a forest/ plantation area?	YES		NO	✓
Will any portion of project be cabled through veld/ natural vegetation?	YES	✓	NO	
Will any portion of project be cabled through a river-bed/ stream?	YES		NO	✓
Are new access roads/ tracks needed to maintain & operate the power line?	YES		NO	✓
Are there any protected trees/ heritage trees along the power line or close to it? (Owner might know)	YES		NO	✓
Will natural/ indigenous vegetation have to be removed prior to construction?	YES		NO	✓
Did you observe any evidence of wildlife in close proximity to the power line? For example, birds, nests, giraffe, elephants, etc.	YES		NO	✓
Will the activity require sewerage connection or discharge?	YES		NO	✓
Will the activity require the installation (permanent or temporary) of a septic tank/ soak away/ french drains/ ventilated pit latrine?	YES		NO	✓
Will any large amount of waste have to be disposed of?	YES		NO	✓
Will the activity generate any hazardous waste that will have to be disposed of? Specify:	YES		NO	✓

**SECTION B: ENVIRONMENTAL IMPACT SCREENING**

TOPOGRAPHY					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Flat	<input checked="" type="checkbox"/>	Unstable rocky or steep slopes		Difficult to construct in area	
Ridgeline		Erosion present on site		Erosion	
Mountainous/ Side slope of hill/ mountain		Steep slopes with loose soil		Difficult vehicular access	
Undulating plain/ low hills		Rocky outcrops		New access roads needed	
Dune (In-land or Coastal)		Dolomite, sinkhole or doline areas		Seasonal dune movement (impact on clearance)	
Sea-front		Any other unstable soil or geological feature		Other (Specify): Adjacent to existing sub-station	
Valleys/ Ravine/ Donga		Other (Specify):			
Other (Specify):		N/A	<input checked="" type="checkbox"/>		

VISUAL AESTHETICS				
Aspect (Mark with an 'X' if applicable)			Potential Impact (Mark with an 'X' if applicable)	
Easily Seen	<input checked="" type="checkbox"/>		Infrastructure will be obtrusive in landscape (not fit in)	
Hidden Partially			Objection by members of public/ interest group/ owners	
Hidden Completely			Negatively impact on a business (e.g. Tourism)	
Other (Specify):			Other (Specify): Site carefully selected according to heritage plan	<input checked="" type="checkbox"/>

SOIL					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Sandy	<input checked="" type="checkbox"/>	Unstable rocky or steep slopes		Contamination of soil with concrete and cement	
Rocky		Saturated/ wet soils/ shallow water table		Compaction of soil due to driving	
Clayey		Sensitive to erosion or evidence of erosion in the area		Erosion	
Other (Specify):		N/A	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>

*DM*

LAND USE, COMMERCIAL & OTHER INFRASTRUCTURE	
Aspect (Mark with an 'X' if applicable)	Potential Impact (Mark with an 'X' if applicable)
Agriculture / Farm lands (Crops, Orchards, Grazing, etc.) Please Specify: <i>Declared heritage site / nature reserve / fossil park.</i>	<input checked="" type="checkbox"/> Objection by members of public/ interest group/ owners
Forestry Area	<input type="checkbox"/> Negatively impact on a business (e.g. Tourism)
Mining Activity ( including sand mining): Please specify:	<input type="checkbox"/> Impact on centre pivots or other farming/ mining implements
Factories/ Shops/ Industrial (Please specify):	<input type="checkbox"/> Threat of encroachment with or contact( Safety risk/ clearance)
Road Crossings or near main roads (National Roads, etc.)	<input type="checkbox"/> Construction limited to specific season/ time period
Other infrastructure (e.g. Railways, communication towers, existing power lines, sewer, water pipes, cables) Please specify:	<input type="checkbox"/> Loss of orchards, crops, etc.
Air fields, landing strips/ wind turbines (Please specify):	Other (Specify): <i>None</i> <input checked="" type="checkbox"/>

FAUNA		
Aspect (Mark with an 'X' if applicable)	Present Condition (Mark with an 'X' if applicable)	Potential Impact (Mark with an 'X' if applicable)
Birds (Specify if you can identify type, e.g. vulture, eagle, blue crane, raptor):	<input type="checkbox"/> Bird nests present	<input type="checkbox"/> Threat of electrocution
Mammals	<input type="checkbox"/> Game (Giraffe, Elephants, etc)	<input type="checkbox"/> Threat of collision
Other (Specify): <i>N/A.</i> <input checked="" type="checkbox"/>	Other (Specify): <i>N/A</i> <input checked="" type="checkbox"/>	Other (Specify): <i>N/A</i> <input checked="" type="checkbox"/>

*[Handwritten signature]*

GROUNDCOVER AND FLORA					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Natural Vegetation		Natural veld in good condition	<input checked="" type="checkbox"/>	Contamination of ground due to driving during construction	
Alien Vegetation		Natural veld with scattered aliens	<input type="checkbox"/>	Trampling and loss of natural vegetation due to driving and walking over it	
Bare Soil		Natural veld with heavy alien infestation	<input type="checkbox"/>	Fire risk	
Other (Specify): Natural veld		Thick bush	<input type="checkbox"/>	Erosion risk	
		Gardens/ Sport fields	<input type="checkbox"/>	Vegetation clearance is required for construction and maintenance	
		Paved/ hardened Surface	<input checked="" type="checkbox"/>	Other (Specify): None	

NATURAL HERITAGE			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Area of cultural significance		Infrastructure will be obtrusive in landscape (not fit in)	
Known Archaeological objects present on site *		<input checked="" type="checkbox"/>	Objection by members of public/ interest group/ owners
Known Palaeontological objects present on site *		<input checked="" type="checkbox"/>	Negatively impact on a business (e.g. Tourism)
Monuments		Threat of encroachment	
Graves		Direct impact (e.g. Cutting of heritage trees, etc.)	
Meteorites		Require permits/ other special permission **	<input checked="" type="checkbox"/>
Ruins/ Old buildings (structures older than 60 years)		Deface/ damage to heritage resource	
Windbreak Trees/ Trees with heritage significance/ Trees registered as a heritage resource/ national champion tree		Objection by public/ interest group	
Other (Specify):		Other (Specify):	

\* Site "MU" carefully selected in accordance with the WCFP's heritage development plan

\*\* Endorsement from SAHRA requested.

*DM*



**IMPACT OF PROJECT**

Rate the potential impact of the project on the following elements – Mark with an 'X'				
ELEMENT	N/A	Low	Medium	High
Water Resources	✓			
Soil		✓		
Topography		✓		
Groundcover and Flora		✓		
Fauna	✓			
Restricted Areas	✓			
Visual Aesthetics	✓			
Natural Heritage	✓			
Land Use, Commercial and other infrastructure	✓			

**ADDITIONAL COMMENTS/ MITIGATING MEASURES:**

WORK TO BE DONE ON FOSSIL PARK - WEST COAST  
PROPERTY - PERMISSION NEED TO BE OBTAINED

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*Jan 1*