



**6(a) - PROTOCOL FOR THE ASSESSMENT AND REPORTING OF ENVIRONMENTAL IMPACTS ON CIVIL AVIATION INSTALLATIONS**

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**FOR THE PROPOSED MULILO TOTAL HYDRA STORAGE PROJECT: GRID INTERCONNECTION AND ASSOCIATED INFRASTRUCTURE, NORTHERN CAPE PROVINCE**

**BASIC ASSESSMENT PROCESS FOR ENVIRONMENTAL AUTHORISATION**

**The Environmental Screening Tool identified the following:**

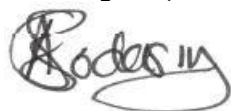
<b>Defence Theme</b>	<b>Very High</b>	<p>Defence Theme was listed as having a very high sensitivity as it is within the vicinity of a military and defence site. As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required. The EAP acting on behalf of the Applicant is required to submit a Statement to the Civil Aviation Compliance Statement (CAA) acting on behalf of the Defence Force / Military.</p> <p>The SA Army Foundation (Britstown, De Aar) was notified during the initial notification period, and has been provided with the opportunity to comment on the draft BAR. Comments received during this review period will be captured in the comments and responses report, to be submitted with the final BAR</p>
<b>Civil Aviation Assessment</b>	<b>High</b>	<p>CAA Theme was listed as having a high sensitivity as the infrastructure lies within 8 km of other civil aviation aerodrome. With the current rating, the EAP acting on behalf of the Applicant is required to submit a submit a Civil Aviation Compliance Statement (CAA).</p> <p>The CAA was notified during the initial notification period, and has been provided with the opportunity to comment on the draft BAR. Comments received during this review period will be captured in the comments and responses report, to be submitted with the final BAR. Should permits be required, these will be applied for accordingly In terms of a Civil Aviation Assessment, no assessment is required.</p> <p>Note: CAA approval was obtained in 2013 (Ref: CAA_2012_W0149) for the Authorised DA2S WEF site as well as the DA2S WEF Grid Connection.</p>

The protocol provides the criteria for the assessment and reporting of impacts on civil aviation installations for activities requiring environmental authorisation. According to the national web based environmental screening tool, the proposed development was rated as having a **High Sensitivity** for impacts on Civil Aviation. In this instance, a Civil Aviation Compliance Statement is required to be prepared by an Independent Environmental Assessment Practitioner (EAP), in accordance with the following minimum requirements set out below:

Sensitivity	Minimum Requirement	EAP Compliance Fulfilment
<b>High Sensitivity</b> - potential for negative impacts on the civil aviation installation that can potentially be mitigated. Further assessment may be required to investigate potential impacts and mitigation measures.	The Civil Aviation Compliance Statement must be prepared by an Environmental Assessment Practitioner for the site being submitted as the preferred development site and must indicate whether or not the proposed development will have an unacceptable negative impact on civil aviation installations.	The proposed development will <u>not</u> have an unacceptable negative impact on civil aviation installations. No aerodrome is located within 8km of the proposed project. The proposed project is located approximately 30km east of the De Aar Military Airfield. The powerline will be less than 45 metres high, and will contain aerial warning spheres as a design protocol of the Applicant.
	A comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations.	Initial correspondence was provided by SACAA following initial notification sent. Further comment will be requested during the Public Participation Process  Note: The applicant received a formal comment letter of no objection (subject to conditions) from the CAA for the approved De Aar 2 South WEF (CAA Ref: CAA_2012_W0149), within which the start of the proposed grid connection, and proposed switching station, is located.
	Should comment from the SACAA require further assessment, a copy of the assessment report and mitigation measures is to be attached with the Compliance Statement as part of the Basic Assessment Report (BAR) or Environmental Impact Assessment Report (EIAR). The assessment must be in accordance with the requirements stipulated by the SACAA.	
	Inputs from the SACAA, if provided within prescribed timeframes in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), will be considered by the relevant competent authority for decision making. If no inputs are provided by the SACAA within the prescribed timeframes, then the EAP must provide evidence of engagement with the relevant officials at SACAA and timeous requests for inputs	
	A signed copy of the Civil Aviation Compliance Statement must be appended to the Basic Assessment Report or Environmental Impact Assessment Report.	This compliance statement is included in Volume II of the BAR.

Figure 1 attached reflects any Air Transport Facilities or Military Bases which is located within an up to 10km Radius from the Proposed Transmission Lines and Switching Station. Based on the figure, it can be seen that there is only a landing strip located within 10 km, there are no aerodromes or military bases located in this radius.

Kind Regards,



Ashlin Bodasing  
Environmental Assessment Practitioner  
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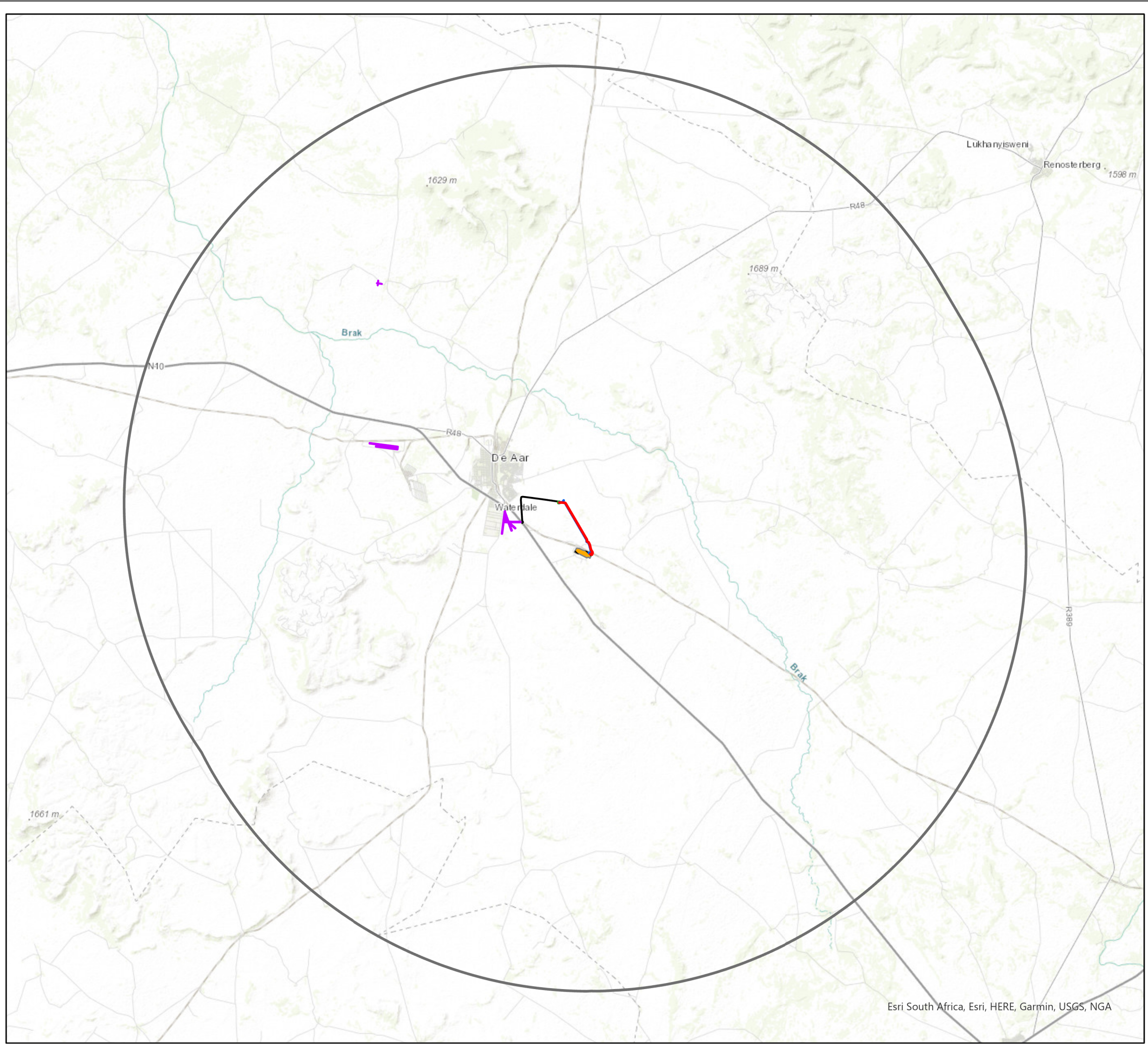
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- Preferred Route - 132kV
- Hydra-Bushbuck Restricting Route 132kV
- Switching Station
- Access Road
- 35 km radius of Development
- Landing Strip
- Hydra Substation

1:350 000 Scale @ A3



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**Aerodromes within 35 km of Site**  
Figure 12.1

**Mulilo Total Hydra Storage Project: Grid Interconnection Basic Assessment**