

APPENDIX 6 – Criteria for the assessment of the impacts –  
Perseus Hydra & Perseus Beta 765kV

| <b>CRITERIA</b>               | <b>DESCRIPTION OF ELEMENTS THAT ARE CENTRAL TO EACH ISSUE.</b>   |
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| <b>Conservation Status</b>    | <p>A Red Data species is classified as one of the following according to Barnes <i>et al</i> (2000):</p> <p><b>Critically endangered</b><br/>Species faces an extremely high risk of extinction in the wild</p> <p><b>Endangered</b><br/>Species faces a very high risk of extinction in the wild</p> <p><b>Vulnerable</b><br/>Species faces a high risk of extinction in the wild</p> <p><b>Near-threatened</b><br/>Species is close to or likely to become vulnerable in the near future</p>   |
| <b>Nature of impact</b>       | <p><b>Collision</b><br/>This is a direct impact that occurs when a bird flies into or collides with the overhead conductors or earth wires of a power line</p> <p><b>Electrocution</b><br/>This is a direct impact that occurs when a bird touches either two live phases, or one live phase and an earthed object simultaneously</p> <p><b>Nesting</b><br/>Certain bird species build their nests on the towers</p> <p><b>Habitat destruction</b><br/>This is an indirect impact, whereby construction and/or maintenance of the power line destroys or degrades a particular birds habitat</p> <p><b>Disturbance</b><br/>This is an indirect impact, whereby construction and/or maintenance activities disturb the bird, particularly during breeding season</p> <p><b>Impact of birds on quality of electrical supply</b><br/>Through perching or nesting on the towers birds may impact on quality of supply through their nest material or excreta</p> |
| <b>General susceptibility</b> | <p><b>High</b><br/>The species is known to be frequently impacted on</p> <p><b>Medium</b><br/>The species is known to be impacted on</p> <p><b>Low</b><br/>The species is known to be infrequently impacted on</p> <p><b>Unknown</b><br/>It is unknown whether the species is impacted on</p>  |
| <b>Degree of Certainty</b>    | <p><b>Definite.</b><br/>More than 90% sure of a particular fact or of the likelihood of an impact occurring.</p> <p><b>Probable.</b><br/>Over 70% sure of a particular fact or the likelihood of an impact occurring.</p> <p><b>Possible.</b><br/>Only over 40% sure of a particular fact or of the likelihood of an impact occurring.</p> <p><b>Unsure.</b><br/>Less than 40% sure of a particular fact or the likelihood of an impact occurring.</p>   |

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| <b>Expected Locality</b>          | This is a description of the specific locality that the impact is likely to occur at.   |
| <b>Duration</b>                   | <p><b>High (long term).</b><br/>Permanent.<br/>Beyond decommissioning.<br/>Long term (more than 15 years).</p> <p><b>Medium (medium term).</b><br/>Reversible over time.<br/>Lifespan of project.<br/>Medium term (5-15 years).</p> <p><b>Low (short term).</b><br/>Quickly reversible.<br/>Less than the project lifespan.<br/>Short term (0-5 years).</p>   |
| <b>Intensity or Severity</b>      | <p><b>High.</b><br/>Destruction of rare or endangered species.</p> <p><b>Medium.</b><br/>Significant reduction in species occurrence</p> <p><b>Low.</b><br/>Minor change in species occurrence</p>  |
| <b>Magnitude and Significance</b> | <p><b>High.</b><br/>Of the highest order possible within the bounds of impacts that could occur. In the case of adverse impacts, there is no possible mitigation that could offset the impact, or mitigation is difficult, expensive, time consuming or a combination of these. Project must be abandoned in part or totality</p> <p><b>Medium.</b><br/>Impact is real, but not substantial in relation to other impacts that might take effect within the bounds of those that could occur /the impact is substantial in relation to other impacts that might take effect within the bounds of those that could occur, but mitigation is both feasible and fairly easily possible.</p> <p><b>Low.</b><br/>Impact is of a low order and therefore likely to have little real effect/ impact is real, but not substantial in relation to other impacts that might take effect within the bounds of those that could occur and mitigation is both feasible and fairly easily possible</p> <p><b>No impact.</b><br/>Zero impact.</p> |

*(Adapted from Guideline Document, EIA Regulations, Implementation of sections 21, 22 and 26 of the Environment Conservation Act, April 1998, DEAT).*