



# Product Type Approval Certificate

*Full*


This certificate is issued to:

<b>Supplier name and address:</b>	Ten Energy Network 65 Wentworth Place Banyo QLD 4014
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In respect of:

<b>Manufacturer:</b>	Vanguard Electric LLC
<b>Place of manufacture:</b>	Unit 4, 695 Riddell Road, Orangeville, Ontario L9W 4Z5, Canada
<b>Product description:</b>	MacLean Power Systems composite line post insulator NPKG 10 XB 003 S0
<b>Use approved for:</b>	Applications in accordance with T HR EL 10001 ST <i>HV Aerial Line Standards for Design and Construction</i> for: <ul style="list-style-type: none"><li>• 11 kV HV aerial lines</li><li>• insulation between overhead earthwire (OHEW) and steel support pole</li></ul>
<b>Conditions of approval:</b>	Nil
<b>Limitations:</b>	NA

## Evaluating rail transport operator

<b>Name:</b>	Terry Niemeier
<b>Position:</b>	Lead Electrical Engineer, Asset Standards Authority, Transport for NSW
<b>Signature:</b>	
<b>Date:</b>	04/07/2019

**Product approval pack reference number:** qA633754