

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

<b>Certificate No.</b>	<b>NESA – T091</b>
<b>Approval date</b>	02/06/2016
<b>Approved by</b>	Review Panel
<b>Report no.</b>	15/17603
<i>This certificate is issued to</i>	
<b>Supplier</b>	Voestalpine SIGNALING Siershahn GmbH Branch Office Australia Unit 14, 160 Hartley Rd Smeaton Grange NSW 2567
<i>In respect of</i>	
<b>Manufacturer</b>	Voestalpine Signaling Zeltweg GnbH
<b>Product description</b>	VAE Hollow Steel Sleeper
<b>Item identification</b>	unique identifier 73110100121A
<b>Application</b>	Approved for use across ARTC Network
<b>Relevant Standards</b>	
<b>Conditions of Approval</b>	<ol style="list-style-type: none"> <li>1. The VAE Hollow Steel Sleepers only to be used as a housing for the 2 bearing &amp; 2 wheel temperature detection scanners and the associated cabling for the voestalpine SIGNALING Siershahn GmbH Phoenix MB Wayside Detection System.</li> <li>2. Supplier to provide installation guideline that includes WHS requirements.</li> <li>3. Installation as per the manufacturer's manual/instructions <b>VAE Phoenix MB - Installation Manual for the Sleeper – Rev 1.2 Reference 050 44 90442.</b></li> <li>4. Hollow steel sleepers must not be installed adjacent to one another.</li> <li>5. Only to be installed in track with good support conditions e.g. good drainage, ballast depth, ballast shoulder, well compacted.</li> <li>6. Not to be placed under IRJ or dipped or badly corrugated rail.</li> <li>7. To comply with rail insulation requirements as ETC-02-03 Steel Sleepers – usage and installation standard.</li> <li>8. Normal ARTC track maintenance inspection to be applied. The sleeper shall be inspected in <i>detailed walking</i> to consider: <ul style="list-style-type: none"> <li>• any deterioration of the rail pads or insulators,</li> <li>• impact damage to the sleeper or components and</li> <li>• any damage to the insulation materials including bulging of the material at the edges.</li> </ul> </li> <li>9. Any dirt, spoil ballast or other contamination around the insulators shall be removed.</li> </ol>

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*A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.*

*Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid updated certificate.*

### Note/Comments

**Issue date**

**Expiry date**

**Issued by**

**John Furness**

**ARTC Manager Standards**