

Certificate No. NESA-T116

Version No. 1.2

Certificate type	Full
Approval date	11 June 2025
Approved by	Manager Engineering Services
ARTC Inventory Product No.	N/A

This certificate is issued to

Supplier	Voestalpine VAE Railway Systems 33 McLennan Street, Mackay, 4740 QLD
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In respect of

Manufacturer	Voestalpine VAE Railway Systems & Voestalpine Schienen GmbH
Product description	New 400UHC® PLUS HSH® Special premium crossing
Supplier product no.	As per Drawing Number VAM17844
Application	Network Wide
Relevant standards	ETS-01-00, ETG-01-03, ETS-03-00 and ETA-03-03

Conditions of Approval

Supplier:

1. 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.
2. 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 certificate.
3. VAE Technical Services Manager to prepare a performance report after 12 months in service and submit to Heavy Haul specialist for review and acceptance.

ARTC:

4. Limited to five initial locations until performance review completed by Track and Civil Engineering Team. Installation and maintenance to be as per manufacturer's instructions.
5. Early adoptions to be inspected and monitored monthly for the first 3 months and then every two months for the first twelve months

**NEW EQUIPMENT AND SYSTEM
APPROVAL CERTIFICATE**

6. Project Manager to ensure formal handover and sign off to ARTC Area Manager. The handover to include all relevant quality records, maintenance guide and MST.
7. Area Manager to report ongoing performance issues to the Manage Engineering Services.
8. The following requirements to apply to repair welds
 - a. Repairs and build-up are to comply with recommendations for repair and build-up welding of rail steel in switches and crossings Rev.1.1- RJP/PDA 30/10/2018 approved by VAE.
 - b. Repairs prior to the engineering performance review shall be monitored over a period of 6 months by VAE and ARTC and a report to be submitted to ARTC by VAE for review.
 - c. Welding consumables shall be EV50 3.2mm rods and Supradur 400B 4mm rods.
 - d. Welding repairs and build-up are to be limited to prequalified maximum length of 370mm and depth of 16mm.
 - e. Repairs and build-up are only to be carried out by welders trained, experienced and qualified to AS1085.20 and VAE's approved process. Welders are to comply with welding qualification procedure outlined in AS1085.20.
 - f. All weld repairs are also to comply with the requirements as set out in ARTC standards.
 - g. A wire feed welding return form (RTS 3733) shall be completed for every repair with the records handed to ARTC representative for non-destructive testing and acceptance.

Issue date 11/06/2025**Expiry date** N/A**Issued by****ARTC Manager Engineering Services****Attachments / Approved item list (if applicable):****Drawing:**

- VAM 17844

Quality Assurance:

- ISO9001 certificate

Manual:

- Assembly and Maintenance Manual, reference number: ART030063
- Installation, Operation and Maintenance Manual Repair Welding at Rails of Switches and Crossings, VAE CODE: A-513-EN V1.0
- Recommendations for Repair and Build-up Welding of Rail Steel in Switches and Crossings, Rev 1.1 - RJP/PDA 30/10/2018

Date Sheet:

- Data Sheet 400UHC PLUS HSH