



Certificate of Type Approval for a product or system

Discipline	Track Engineering
Reference	TR16/3002
Manufacturer	VAE Railway Systems Pty Ltd
Supplier	VAE Railway Systems Pty Ltd
Place of Manufacture	34 Alpha Street, Bathurst, NSW, 2795, Australia
Product/System description	RailCorp/Bathurst Rail Fabrication Centre Legacy Products i) Production and supply of turnouts, switches, crossings, stockrail, checkrail, tapered noses, and glued insulated joints for a variety of rail sections. ii) Production and supply of the above products, initially produced by Bathurst Rail Fabrication Centre for RailCorp (and, subsequently, for Sydney Trains) prior to commencement of VAE ownership and management on 1 st March 2015.
Use approved for	The former RailCorp/Bathurst Rail Fabrication Centre legacy products are produced and supplied by VAE for a range of rail applications within Plain Line, Turnout and Special Trackwork Assemblies that will be installed within the TfNSW Heavy Rail Network.

Conditions

1. The legacy products approved for production and supply are those listed in VAE's document *Legacy Product Report* dated 2nd December 2015.
2. For a maintenance application products have authority to be manufactured and produced from a corresponding formally approved drawing, or similar authorisation, that was effective (held in the TfNSW plan repository) prior to 1st March 2015 and that has not been withdrawn or cancelled.
3. The supplier or manufacturer must advise TfNSW ASA of any changes made to the product or system that may alter its identification, performance characteristics, form, fit, function, processes required for correct usage or place of manufacture to enable review and revision of this approval.

Approval	
Signature	
Name	David Cooper
Title	Acting Lead Engineer Track Engineering
Date	4 th March 2016



Schedule of Certifications

Title	Registration Number	Valid till	Issuing Authority	Status
VoestalpineVAE Railway Systems Pty Ltd Quality Management System (ISO 9001:2008) Issued by Bureau Veritas	AUS12000033	26 th March 2017	Bureau Veritas	Issued 20 th March 2000

Supporting Documentation

Title	Issuing Authority	Author	Report Number	Status
Legacy Product Report	VAE Pty Ltd	Richard Plich	RP/PDA Rev 1.0	Issued 2 nd Dec 2015
Special Heel Joint	Bathurst Rail Fabrication Centre	J.C., R.W.P., A. Mc.	CV0344392 (for acceptance into Plan Room)	Issued 5 th Dec 2011
Standard Heel Joint 5030 and 6100 Heeled Switch	State Rail Authority of N.S.W.	J.McC., G.L.M.	180-1074	Issued 27 th Sep 1988
Standard 6100 Flexible Switch 60 kg-1981 Rail	Bathurst Rail Fabrication Centre	R.W.P.	258-211 (CV0068462)	Issued after 21 st Dec 2005
Rail Brace Plate No. 180 – Modified	Bathurst Rail Fabrication Centre	T.V.C.	205A-355	Issued after 7 th Dec 1982
M.S. Long D60 Chair Plate – Modified	Bathurst Rail Fabrication Centre	R.W.P.	197-312 M	Issued 27 th Feb 2004
Rail Brace Plate No. 168X	Bathurst Rail Fabrication Centre	R.W.P.	91-157 X	Issued 6 th Sep 2004
Rail Brace Plate No. 168	Public Transport Commission of N.S.W. Rail Division	L.G.G.	91-157	Issued 29 th Sep 1977