

Certificate of Type Approval for a product or system

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Discipline	Track Engineering
Reference	TR14/3001
Manufacturer	Vossloh Cogifer, Australia, Pty Ltd
Supplier	Vossloh Cogifer, Australia, Pty Ltd
Place of Manufacture	Orange, NSW; Castlemaine, Vic; Kewdale WA.
Product/System description	Manufacture and Provision of Tangential Turnout Assemblies (As listed by standard layout drawings nominated in Supporting Documentation on reverse of this Certificate)
Use approved for	Approved Tangential Turnouts as listed on the reverse are approved for installation within the Sydney Metropolitan Network as considered compliant to the requirements of ESC 200, ESC 250 and SPC 251

Conditions

- 1. All Type Approval Certifications will be subject to review within a period not exceeding 5 years.
- 2. The Place of Manufacture shall hold International Quality System Certification.
- 3. Should the presence of any previously unidentified defect or condition in service arise, it shall require further collaborative investigation to establish appropriate remedial measures.
- 4. 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.
- 5. Further Turnout Assemblies shall be added to the above list subject to approval from the Lead Engineer Track, Asset Standards Authority, Transport for New South Wales.

Approval	
Signature	
Name	David Cooper
Title	A/Lead Engineer - Track Engineering
Date	17 th September 2014



Schedule of Certifications

Title	Registration Number	Valid till	Issuing Authority	Status
Quality Management System (ISO 9001:2008) Issued by <i>afnor</i>	2012/52218.3	27 th Dec 2016	afnor	Current
Product Approval Checklist for installations at Lithgow Site inspection undertaken by Jim Couper	N/A	N/A	Sydney Trains Subject Matter Expert	Current

Supporting Documentation

Title	Company	Designed By	Drawing Number	Status
Lithgow Points 77A/77B, L.H. Crossover, Tangential 3.66m Track Centres, R250m, 1 in 10.5, 1435 Gauge, AS60kg	Vossloh Cogifer Australia Pty Ltd	AMS	A1B17362 Rev A	Approved
Lithgow Points 81A/81B, R.H. Crossover, Tangential 3.66m Track Centres, R250m, 1 in 10.5, 1435 Gauge, AS60kg	Vossloh Cogifer Australia Pty Ltd	AMS	A1B17364 Rev A	Approved

Approved Designs

Tangential Turnout, R250m 1 in 10.5 Crossing, Concrete Bearers, 1435 Gauge, AS60kg Rail	Vossloh Cogifer Australia Pty Ltd	CCB	A0B15390 Rev C	Approved
Tangential Turnout, R800m 1 in 15 Crossing, Concrete Bearers, 1435 Gauge, AS60kg Rail	Vossloh Cogifer Australia Pty Ltd	AMS	A0B15428 Rev B	Approved
Tangential Turnout, R190m 1 in 9 Crossing, Concrete Bearers, 1435 Gauge, AS60kg Rail	Vossloh Cogifer Australia Pty Ltd	AMS	A0B15602 Rev E	Approved
Tangential Turnout, R300m 1 in 9 Crossing, Concrete Bearers, 1435 Gauge, AS60kg Rail	Vossloh Cogifer Australia Pty Ltd	ССВ	A0B15604 Rev B	Approved
Tangential Turnout, R300m 1 in 12 Crossing, Concrete Bearers, 1435 Gauge, AS60kg Rail	Vossloh Cogifer Australia Pty Ltd	AMS	A0B15605 Rev D	Approved