

Product Type Approval Certificate

Provisional

This certificate is issued to:

Supplier name and address:	Alstom Transport Pty Ltd 16 Giffnock Avenue North Ryde NSW 2113
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In respect of:

Manufacturer:	Alstom Transport Pty Ltd
Place of manufacture:	Europe
Product description:	Alstom GATC ERTMS Baseline 6.10.3 with associated train baseline 1.7.2 and DMI SENSE 2.0.3. Hardware as approved in the Schedule of associated items for EVC cards, GATC ERTMS Trainborne and Train Type in the latest revision of the type approval certificate PTA SC 010/2018.
Use approved for:	ETCS Level 1 Automatic Train Protection Trainborne subsystem on the Tangara Fleet. Usage for: - NORMAL mode on non-revenue services under STN - BYPASS mode on revenue services
Conditions of approval:	Refer to Annexure 1 for conditions of approval
Limitations:	Use of BL1.7.2, P6.10.3 is limited to the T-set to support in service trials. Successful completion of Dynamic testing and demonstrations will support this Type approval achieving full status.

Evaluating rail transport operator

Name:	Andrew Gardner
Position:	Director, Signals and Control Systems Engineering, Asset Management Branch, PIP, Transport for NSW
Signature:	
Date:	

Product approval pack reference number: fA17565428

Annexure 1 – Conditions of Approval

Conditions of approval:	a) Operating in NORMAL mode is not permitted on revenue services. b) Operating in BYPASS mode is permitted on revenue services. c) The Technically Assured Organisation (TAO) is to have authorisation for the life cycle activity for the engineering service supported by specific competency and processes compliant with the product safety case. d) The vendor and Asset Steward O&M shall maintain the cyber security mitigations against the changing asset configurations and vulnerabilities as detailed in applicable legislations, regulations and TfNSW standards. e) Usage shall be in accordance with TfNSW standards, the RIM's operational standards and procedures, the manufacturer's documentation and application constraints. f) The vendor shall advise TfNSW AMB of any changes made to the asset or system as soon as possible which may alter its identification, performance and functional characteristics, risks and assurance, form, fit, or processes required for correct usage so that this approval can be reviewed. g) Conclusions about suitability for use under conditions other than what is specified in this approval are not made. Reliance on this approval by any other organisation is entirely at that organisation's own risk.
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