



Transport
for NSW

Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000113

Issued to:

Micro Connect P/L

For:

Device Type	LCM RE ADSL Router for SCATS® communications		
TfNSW Specification:	TSI-SP-018	Version:	4.0

Summary Scope:

ADSL Router for SCATS® communications

Evaluation Reference:	ITS-EV0211	Approver	Manager TSI
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	1 st March 2021

A) Description and itemisation of the equipment covered by the type approval:

Hardware

Logic module RE LOGIC	Power supply module RE PS-01
TSC module RE TSC-01	xDSL module xDSL-01
Ethernet module RE ETH4-01	

Firmware

Version 82 Build 7

B) Summary of conceded deviations from specified requirements

Note regarding specification TSI-SP-018 v4.0

It should be noted that the specification was originally prepared in 2005 and has been updated several times since. However, it currently still contains several requirements which, although they were reasonable in 2005, are nevertheless no longer applicable in the communications environment of the current era, or may refer to specifications/standards now obsolete/superseded.

- CI.5.1.2.5 Strategy described complies with the intent of this clause. Acceptable.
- CI.5.1.3 Normal User ("Monitor") cannot view configuration settings since this would allow viewing of passwords. Acceptable.
- CI.5.1.8 External LTPU not provided; LTP is built in. External line transient protection is to be removed from TSI-SP-018 and moved into TfNSW housing specification TSI-SP-012. Acceptable.
- CI.5.2.4 Remote firmware upgrade facility acceptable since this is now industry standard practice. Acceptable.
- CI.5.2.4.2 Instead of capability to remotely reset the router to preset defaults, the router can be restored to the last known "good" configuration. This complies with the intent. Acceptable.
- CI.5.2.4.3 No remote loopback facility is provided. This requirement is not appropriate and will be deleted from future specification issues. Acceptable.
- CI.5.3.1 External dimensions exceed those in specification but have proven to be acceptable in practice.
- CI.5.4.1 Equipment operating voltage complies with that quoted in the applicable Australian Standard AS60038 whereas the specification requirement exceeds that. Acceptable.
- CI.5.5.3(a) Equipment complies with relevant clauses of AS/NZS 61000.6.1 and IEC 61000-4-5. Acceptable. The clause will be rewritten in future specification issues.
- CI.5.5.3(b) Equipment complies with relevant clauses of IEC 61000-4-5. Acceptable. The clause will be rewritten in future specification issues.

C) Conditions of use

Nil

D) Related Certification History.

Certificate #	Issued	EV#	Description or change details
ITS-TAN000113	8/03/2021	0211	Original