



Transport
for NSW

Intelligent Transport Systems

Type Approval

Certificate No:	ITS-TAN000151
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Issued to:

Braums

For:

Device Type	Variable Message Signs		
TfNSW Specification:	TSI-SP-008	Version:	7.0

Summary Scope:

VMS Types A, B and C. LV and ELV variants.

Protocols TSI-SP-003 and NTCIP.

Evaluation Reference:	ITS-EV0345	Approver	Snr Manager Specifications and Evaluations
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	23 rd Feb 2023

A) Description and itemisation of the equipment covered by the Type Approval:

Variable Message Signs, types A, B and C. Includes both LV and ELV variants, including roadside cabinet. Protocols TSI-SP-003 and NTCIP. The applicable models are:

Protocol	Sign Type	Supply	Model #
TSI-SP-003	A	Mains (LV)	BVMS-A-003
		ELV	BVMS-A-003-E
	B	Mains (LV)	BVMS-B-003
		ELV	BVMS-B-003-E
	C	Mains (LV)	BVMS-C-003
		ELV	BVMS-C-003-E
NTCIP	A	Mains (LV)	BVMS-A-N
		ELV	BVMS-A-N-E
	B	Mains (LV)	BVMS-B-N
		ELV	BVMS-B-N-E
	C	Mains (LV)	BVMS-C-N
		ELV	BVMS-C-N-E

B) Summary of deviations from specified requirements

Nil

C) Relevant Specifications, Drawings and Standards:

TSI-SP-008 v7.0, TSI-SP-003 v5.0, AS4852.1: 2019, TSI-SP-062 v1.0 and TSI-SP-012 v2.0.

D) Conditions of use

No special conditions.

E) Related Certification History.

Certificate Number	Issued	EV Number	Description or change details
ITS-AN000036	30/11/18	ITS-EV0151	Type A, LV variant, no cabinet
ITS-AN000047	20/05/20	ITS-EV0225	Types A, B, C, LV variants, no cabinet.