

STREAMS

Statement of Support

Issued to

DATA SIGNS

For

VMS TRAILER MOUNTED SIGN (48W X 28H)
FIRMWARE VERSION 06.02.58

This document confirms STREAMS VMS functionality can be used to operate the Data Signs Portable VMS Group Controller running firmware 06.02.58 as described in this document current to the STREAMS 2012.1 HF4 version.

Any subsequent changes to the protocol and software revisions listed are to be duly authorised and noted under the "Endorsements" below. Any changes to the firmware versions should be listed under Version control.

This statement is furnished as a matter of information only and does not constitute a guarantee of final system operational capability. Transmax reserves the right to withdraw this Statement of Support.

Signature: 

Date: 26-06-2013

Endorsements

<u>No.</u>	<u>Description of Change</u>	<u>Date / Approved</u>

Equipment Description

(a). Hardware, Protocol and Software Revisions:

Item	Description	Hardware Version	Software Revision
1	Data Signs Portable VMS Group controller 48w x 28h STREAMS dynamic messaging	N/A	Firmware 06.02.58

(b). Reference Documentation:
"Specification TSI-SP-003 – Communications Protocol for Roadside Devices"
"Specification TSI-SP-008 – General Requirements for the Design, Installation, Commissioning and Maintenance of Variable Message Signs"

Version control

<u>Description of Change</u>	<u>Date / Approved</u>
Initial Test for Portable VMS Group controller	04/09/2012
Retest and update to firmware for sign addressing	12/06/2013

Supported Features

The following table shows the supported features of the Data Signs Portable VMS Group Controller connecting VMS which this statement applies (refer also to notes below):

Feature	Tested (Y/N)	Supported in STREAMS (Y/N/Partial)
Serial communications from sign to STREAMS Explorer via a Field Processor	Y	Y
Display single page message	Y	Y
Display multipage message	Y	Y
Fault Log reporting for multi-pixel failure and hardware blanking	Y	Y
Fault Log reporting battery failure	Y	Y
Set Time in Group Controller	Y	N ¹

Implementation Notes:

- i) STREAMS reports faults generated by the hardware but does not clear the fault logs.

Exceptions

- The current STREAMS version "RTA Custom Size" has no current requirement to support Colour signs. Therefore, any STREAMS Support Testing to display Colour has been omitted by design.
- Testing did not cover the reliability of the hardware being tested.

¹ The Data Signs Group controller prevents STREAMS from setting the sign in the Group Controller. The Group controller uses its GPS for time synchronisation. When the GPS is in sync the fault log was accurately time stamped.

Relevant Documents

The relevant documents for the Data Signs Portable VMS Group Controller for which this statement applies are:

Item	Publisher	Version	Release Date
Specification TSI-SP-003 – Communications Protocol for Roadside Devices	RTA	2.1	2008

Note: This document contains no alterations or erasures.