NR/SIG/10665/mod 021		
Vaughan Harmon Small Train Describer Type 4M (NR/ROSE/TD-A1/1)		
Issue No. 01	Issue Date: 02/03/13	Compliance Date: 07/09/13

Includes:	Vaughan Harmon Small Train Describer Type 4M
Excludes:	Vaughan Small TDs fitted on the former BR-WR

1. GENERAL

This system provides automatic transmission of the information to adjacent signal boxes or control centres. Provision may also be made for transmission of TDs to management information systems (e.g. ATR, SMART or TRUST).

Small TD systems will generally have only one monitor per site.

The TD cabinet will either be installed adjacent to the monitor & keyboard

Or installed in a separate equipment room equipment room

2. *Examine*

Cables / plug couplers on monitor / keyboard & Remote PC unit (Black box), if fitted for security

Cables & wiring for damage or degradation

Cables / plug couplers to IDF block & to cards in TD cabinet for security

The memory retention battery on each card. If there is any evidence of corrosion/leakage or if the battery is more than 5 years old, the card shall be replaced with a known good working spare

NOTE- the battery on spare cards should be isolated from the PCB where possible by positioning the battery enable link to the disabled position, this will prevent the battery from discharging when not in service. Move to Battery Enable Position (BEN) when
installing card in system

3. *Check*

Using a suitable meter. Measure the DC output voltages and ripples from the power supply using the test points on the processor card. Check that they are within the limits given in the table below:

Voltage	Limits	Ripple(50/100Hz)

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+5v	+5.05 to 5.1v	Less than 50mV
+12v	+12 to 12.5v	
+12v I/F	+11.5 to 12.5v	
-12v I/F	-11.5 to 12.5v	

4. ***Report***

Any adjustments made, components replaced or out of specification item on a WAIF

5. ***Record***

The DC output voltages and ripples from the power supply & the card battery change date on the record card

End

SUPPORTING INFORMATION

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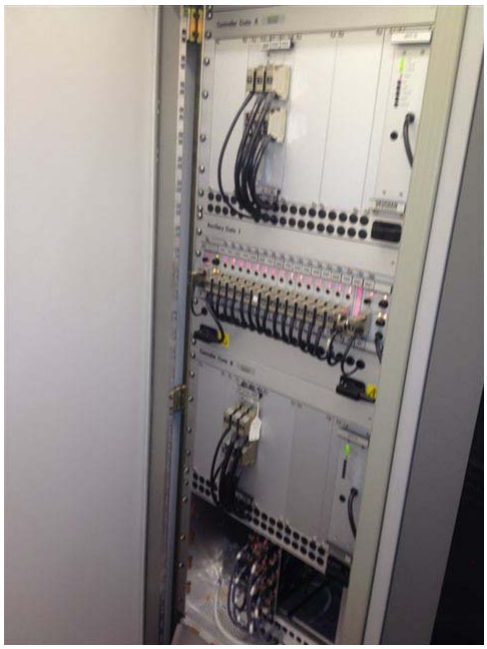
Combined unit (pictured below)

Keyboard with Remote PC unit (Black box) – Remote TD cabinet (below)



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