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Schedule of Site
Commissioning Tests
SCT 20.16.3
Issue 2
June 1998

T3 Telephase Phase Comparison Powerline Carrier Protection - Type MFDA-1

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SCHEDULE OF SITE COMMISSIONING TESTS

**SCT 20.16.3 T3 TELEPHASE PHASE COMPARISON POWERLINE
CARRIER PROTECTION - TYPE MFDA-1**

Station:

Circuit:

Manufacturer's Contract No:

Contractor's Signature:.....

NGC Contract No:

Accepted by:.....
(Engineer's Signature)

Contractor:

Date:

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T3 TELEPHASE PHASE COMPARISON POWERLINE CARRIER PROTECTION - TYPE MFDA-1

1 GENERAL DATA

Manufacturer: NEI Electronics Ltd (Reyrolle Protection)

Serial No:

Trip Supply Voltage d.c.: Rating: CT Ratio:

Carrier Coupling Bank: kHz- kHz (Band No)

Combining Filter: $F_1 =$ kHz $F_2 =$ kHz (Filter No)

Operating Frequency: kHz Line Length: km

Line Charging Current: A

Positive Sequence Setting: Negative Sequence Setting:

Reflex Test Mode: Master/Slave Clock Test Interval (Master End): hrs

2 INSPECTION OF EQUIPMENT

Note: Module H14150 incorporates plug-in CMOS integrated circuits and to avoid damage, the handling and exposure of the module outside of the rack housing should be kept to the absolute minimum. When removed from the equipment this module should be sorted in an anti-static bag.

Check that the frequency marked on the label on the following modules is the same as the carrier frequency allocated to the circuits.

Tier 2 Module F5BAa CF Oscillator.

kHz

Tier 2 Module E3CC Filter.

kHz

With the equipment isolated from the supply terminals, check that the Test meter on Module H5AF/H5AE is at zero position. Adjust if necessary.

Withdraw module H14160 and check that links L1 to L8 are connected for either 'MASTER' or 'SLAVE' in accordance with the reflex test mode adopted.

Withdraw module H14050 and check the link position to suit the CT rating. Record whether the link is removed -1A rating or fitted -5A rating. Note: 1A rating is the standard.

Check the position of the soldered link at the rear of Tier 1 on output circuit board H7AE. Link positions give 50, 75 or 125 OHM matching. Record the matching impedance. (75 ohms is the normal impedance to match to the coupling equipment).

OHMS