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Schedule of Site Commissioning Tests

Commissioning Schedule for Ancillary Services Generator Response Monitor Unit

SCT 16.7
Issue 1
March 2000

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THE NATIONAL GRID COMPANY plc

SCHEDULE OF SITE COMMISSIONING TESTS

SCT 16.7 COMMISSIONING SCHEDULE FOR ANCILLARY SERVICES GENERATOR RESPONSE MONITOR UNIT.

Station:

Manufacturer's Contract No:

Contractor's Signature:

NGC Contract No:

Accepted by:
(NGC Engineer's Signature)

Contractor:

Date:

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COMMISSIONING SCHEDULE FOR ANCILLARY SERVICES GENERATOR RESPONSE MONITOR UNIT

1 INTRODUCTION

This schedule details the site commissioning requirements for Ancillary Services Generator Response Monitor Units known as ASBMON units. The ASBMON units are located at various generating stations throughout the country to monitor the power response of the generating units or modules to changes in the grid system frequency.

The purpose of the monitoring is to confirm that Generators that have contracted to provide response meet the contractual requirements. The time tagged power and frequency input data required by the ASBMON unit is provided by the Operational Metering Summator (OMS) which is in turn fed by the Electricity Pool FMS metering at the power station.

At Coventry, Ancillary Services have a dial-up PC system dedicated to interrogation and processing of the data from the ASBMON site units. Where required, SM generation instructions and actual delivery performance data are transmitted to/from the ASBMON unit via a dedicated communications link from the National Control Centre.

2 SCOPE

This schedule details the procedures and tests required to commission a newly fitted or upgraded ASBMON unit assuming that the following pre-requisites have been completed:

- (a) The ASBMON has been installed in the GI (or other) cubicle and cabled to in accordance with the relevant installation details. (See PM Installation Instruction document for ASBMON unit).
- (b) The OMS has been installed and commissioned. Since the ASBMON unit requires both power and frequency data from the OMS it is essential that the OMS is provided with a voltage input(s) for the frequency measurement. If not fitted, suitable VT source(s) will need to be identified and cabling to the OMS arranged.
- (c) The ASB PC system used to interrogate the ASBMON units is operational and Ancillary Services have been informed of the commissioning dates.
- (d) The PSTN (or CTN) line for the ASBMON to Coventry PC connection is installed.
- (e) Where required, the SM communications link to the unit has been commissioned.

The extent of the commissioning of the ASBMON covers the following interfaces:

- (i) Local terminal interface at the ASBMON.
- (ii) OMS to ASBMON link.
- (iii) Local alarm operation from the ASBMON.
- (iv) ASBMON link to ASB PC at Coventry.