

SCHEDULE 26
INTERIM SERVICES

1. SCOPE

The Contractor shall, from the Interim Service Start Date until the later of the Actual Service Start Date for the Transmission Service and the Build Completion Date, provide the services, operations and activities referred to in paragraph 2 of this Schedule on the networks described in paragraph 3 in accordance with, and subject to, this Agreement.

2. DUTIES

Duties	Equipment
Preventative maintenance of equipment.	All equipment listed in Paragraph 4 and any subsequent modifications to the infrastructure.
Fault maintenance of equipment.	All equipment listed in Paragraph 4 and any subsequent modifications.
Preventative and fault maintenance of all Transmission Stations' fabric, compounds and/or security arrangements.	All Transmission Stations.
Repair service for fibre optic cables including disconnection and reconnection to the Authority's transmission network.	All fibre optic longitudinal and local cables (other than copper cables).
Transmission bypasses.	Deployment, connection and disconnection of temporary surface laid fibre optic cable and/or other bypass arrangements for longitudinal copper and/or fibre optic cables.
Fault receipt and rectification. 24 hours 7 days a week coverage and on-site attendance within 2 hours of receipt of a fault.	Receipt and investigation of all alarms and calls resulting from the operation or use of the network.
Testing and acceptance of modifications to the Transmission Network by others.	Testing and acceptance of maintenance, modifications and additions to the Transmission Network carried out by other contractors.
Production of records	Production, maintenance and distribution of drawings, records and reports associated with the Transmission Network maintenance.
Liaison with others	Liaison with other contractors, police control offices, RCCs, TCC, national and local offices of the HA, and local

	authorities.
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3. NETWORKS

- 3.1 Transmission networks which provide connections from the Transmission Station nearest to the roadside device to the Control Office (where possible, these networks provide diverse routes to protect against failure of the transmission equipment and infrastructure) (such networks being defined as a "**Regional Network**");
- 3.2 Transmission networks which provide connections between neighbouring Control Offices, between Control Offices and the HA's Coleshill Computer Centre, and between Control Offices and the National Traffic Control Centre (such networks being defined as a "**National Network**").

4. EQUIPMENT

4.1 Bearer Equipment

Type	Manufacturer	Location	Description
12 Circuit FDM Carrier	GEC	Transmission Stations (brick)	Used for the transmission of national circuits. Currently mainly used for the SCADA system and RCC network.
Fibre Optic PDH/SDH/ATM and Network Managers	Northern Telecom, Nokia, Marconi, Marconi/Fore Systems	Transmission Station (brick) equipment, Network Managers, Coleshill, Godstone and Chigwell	Used for the transmission of national circuits. Provides both data and CCTV circuits.
Licensed Radio systems	GPT 34Mbit 13 GHz Nokia 8 Mbit 38 GHz	PCO Link from motorway	Used to provide PCO to motorway links.
Mini Carrier	GEC	Both type of Transmission Station	A sub equipped 12 channel FDM carrier system used to provide extended transmission of audio circuits, generally at the edge of the transmission network.

4.2 Peripheral Equipment

Type	Manufacturer	Location	Description
BT Supplied Video Codec Equipment	BT	Transmission Stations (brick) and PCOs	Providing encoding for full bandwidth CCTV into 2MHz digital time slots prior

			to multiplexing.
X25 Switch, PAD and PAD Router	Cray	Transmission Stations (brick) and PCOs	Used to provide interfacing of X25 to SDH or PDH equipment.
Audio Branching/Combining	Various	Transmission Stations (brick) and PCOs	Used to split or combine audio circuits.

4.3 Other Equipment

Type	Manufacturer	Location	Description
Inter Control Office Terminal and Signalling Equipment	Various	PCOs	Providing PCOs with an independent means of speech communication with adjacent PCOs.
V29, V32 and V34 Modems	Motorola Cray	Transmission Stations (brick) and PCOs	These modems are used for the transmission of the RCC X25 data, over Transmission Network national circuits, links from Network managers to elements and X25 trunk links.

4.4 Support Equipment

Type	Manufacturer	Location	Description
Supervisory SCADA System	GEC	Coleshill and all Transmission Stations	Used for the fault reporting of all national circuits and associated equipment to a master station located in the Coleshill building, via T2800 and T1000 outstations.
Power supplies	Duvine and Gate	All Transmission Stations	Providing AC rectification and/or battery backed DC in the event of power failure.
Air conditioning	Toshiba and Marstair	Transmission Stations (brick)	Used for maintaining the temperature of Transmission Stations.

Inverter	Motorola	Transmission Stations (brick)	Providing the support of AC powered only equipment in Transmission Stations in the event of power failure.
Optical fibre distribution	Various	Transmission Stations (brick) and PCOs	All fibre cables are terminated at Transmission Stations in either KM boxes or BT11B cabinets.