

According to the present invention, the user terminal (402) gains access to the packet data transmission system (450) via one or several access terminals that are provided in the system. The testing terminals (432 ... 440) determine access terminals via which the user terminal can access the system. All the test operations in the current cycle of servicing the user terminal are performed by a single testing terminal or can be transferred to the other testing terminal. It is desirable to have several routers in the system, with a local communication agent (418 ... 420) corresponding to each router, which determines to which external communication agent the user terminal can gain access. In the system, several external communication agents are used to transfer the data received from the local user terminal to the testing terminal that performs testing operations within the current cycle of servicing the user terminal.