

International Date! Services



International Data Transmission Facilities

In the international service, the term **Datel** has been adopted to refer only to data transmission using the public telephone system. Countries served by International Datel Services are shown in the schedule at the end of the leaflet.

In addition to International Datel, transmissions may be arranged with other countries over international private leased circuits, provided for customers' exclusive use. Such circuits may be rented to most locations in Europe and to many points outside Europe, whether or not International Datel Service is available with the country concerned.

International Datel 200 Service

This service provides full duplex (simultaneous bothway) serial asynchronous transmission of digital data at speeds up to 200 bit/s using the public telephone network. In certain circumstances 300 bit/s may be obtainable.

Making a call

Calls to most countries may be set up either by using International Direct Dialling (IDD) or via the appropriate International Telephone Operator. Calls to remaining countries must be set up via the appropriate International Telephone Operator. Calls set up via the international telephone exchange must be identified to the operator as 'Datel' calls to ensure that the correct operating procedures are applied. When telephone contact has been established the user switches to the data mode and commences transmission.

Terminal equipment

The Data terminal input/output coding and error control equipment must be obtained by the customer and must be of a type that meets requirements for attachment to the British Telecom network.

Modems*

British Telecom modems used for this service conform to international standards specified in CCITT Recommendation V21.

International Datel 600 Service

This service provides half duplex (one direction at a time) serial asynchronous transmission of digital data at up to 600 or 1200 bit/s using the public telephone network. The higher rate of 1200 bit/s should be obtainable on many calls. An optional 75 bit/s asynchronous backward channel can also be provided if required.

Making a call

As for International Datel 200 Service.

Terminal equipment

The same conditions apply as for the International Datel 200 Service.

Modems*

British Telecom modems used for this service conform to international standards specified in CCITT recommendation V23.

International Datel 1200 Duplex Service

This service provides full duplex serial transmission of digital data via the public telephone network at 1200 bit/s. Terminal equipment may send synchronous or asynchronous signals to the modem which transmits them over the telephone network.

Making a call

As for International Datel 200 Service.

Terminal equipment

The same conditions apply as for the Datel 200 Service.

Modems*

British Telecom modems used for this service conform broadly to Alternative B to CCITT Recommendation V22.

* Private modems require British Telecom approval and consent prior to connexion to the network. By late 1982 British Telecom will consent to the connexion of modems approved by the British Standards Board for Telecommunications under commissioning arrangements yet to be finalised.

International Datel 2400 Service

This service provides half duplex (one direction at a time) serial synchronous transmission of digital data via the public telephone network at 1200 or 2400 bit/s. A transmission rate of 1200 bit/s should be achieved on all international connections and 2400 bit/s will be possible on the majority of calls.

A 75 bit/s asynchronous backward channel can be provided, if required, in accordance with CCITT Recommendation V23. (Note: for communication over the UK national network, the backward channel will operate at up to 150 bit/s).

Automatic answering of calls via the public telephone network is a standard facility and conforms to CCITT Recommendation V25.

Making a call

As for International Datel 200 Service.

Terminal equipment

The same conditions apply as for the International Datel 200 Service.

Modems*

British Telecom modems used for this service conform to CCITT Recommendation V26 (Type B modulation) and V26 bis.

International Private Leased Circuits for Data Transmission

International private leased circuits are provided for customers' exclusive use between their premises.

Arrangements for providing the various types of international private leased circuits vary from location to location, and customers considering renting such circuits are advised to consult British Telecom International at the earliest opportunity.

The modems to be connected to international private leased circuits may be rented from British Telecom or provided by the user – in which case, the modem must be of an approved type for which consent has been granted by British Telecom for use on International point-to-point circuits. The consent of the foreign Telecommunication Administration(s) concerned is also required and will be sought by British Telecom on behalf of the customer.

Telephone type circuits

International private leased telephone circuits can be used exclusively for data transmission or for alternate speech/data and speech/facsimile. Such a circuit will provide data transmission equivalent to International Datel 200, 600, 1200 duplex or 2400. International private leased speech/data circuits are provided in accordance with the recommendations of the International Telephone and Telegraph Consultative Committee (CCITT). Under these recommendations, it is normally possible to provide either an ordinary speech/data circuit or a special quality circuit which, depending on the modulation method used, could provide higher transmission speeds than the present Datel Service.

Telegraph-type circuits

International private leased telegraph circuits can be used for data or teleprinter transmission.

Countries served by International Datel Services

(■ denotes service available)

Country	200	600	1200 Duplex	2400
Australia*		■		
Bahrain*	■	■		■
Barbados*	■	■		
Belgium	■	■		■
Bermuda*	■	■		
Canada*	■	■		
Cyprus		■		■
Denmark	■	■		■
Finland	■	■		■
France	■	■		■
Germany W.	■	■	■	■
Hong Kong		■		■
Iceland†	■	■		■
Italy	■	■		■
Netherlands	■	■		■
New Zealand		■		■
Norway	■	■		■
Singapore*	■	■		■
South Africa	■	■		■
Spain	■	■		
Sweden	■	■		■
Switzerland	■	■	■	■
United Arab Emirates	■	■		■
USA (via RCA, ITT or WUI)	■	■		■

†Expected to become available mid 1982

Notes

1) Because of technical limitations in some telephone networks it cannot be assumed that a Datel Service is available to all points in the countries listed.

2) Services will be extended to other countries when arrangements are made with the Administrations in the countries concerned.

3) Normal telephone call charges apply.

4) Datel calls to countries marked with a * must be set up by the appropriate International Telephone Operator. (Three minute minimum charge on each call).

For all other countries, and in case of difficulty, the operator will still be available for assistance if required (except on Datel calls to CYPRUS).

5) Datel dialling codes

i) USA – Datel customers in the USA are reached via the International Record Carriers (IRCs), ITT World Communications Inc (ITT), RCA Global Communications INC (RCA) and

Western Union International (WUI).

International circuits, specially conditioned for data transmission, are selected by dialling:

via ITT – 010 1 84 plus the Area Code and seven digit telephone number

via RCA – 010 1 83 plus the Area Code and seven digit telephone number

via WUI – 010 1 82 plus the Area Code and seven digit telephone number

Additionally, USA Datel customers (except those directly connected to the IRCs) can be reached by dialling 010 1 plus the Area Code and seven digit telephone number (but see note 6(ii)).

ii) Hong Kong – Datel customers in Hong Kong are connected to a special Datel exchange and can be reached by dialling 010 852 123 plus the four digit number.

6 i) The administrations of the countries shown above have agreed to provide facilities for the testing the quality of data transmission from UK. Whilst data transmission quality cannot be guaranteed, the Administrations concerned will cooperate with British

Telecom in investigating any instance of poor data transmission quality.

ii) Other countries who permit the transmission of data over the telephone network are listed below. As these countries do not provide testing facilities, it is unlikely that British Telecom will be able to resolve any problems of poor data transmission quality.

Austria Greece Israel

Japan Portugal

USA (via international telephone circuits).

Further information about these services and charges can be obtained from:

British Telecom International Customer Services

7th Floor

St. Alphage House

Fore Street

London EC2Y 5DA

Telephone: 01-432 5407

Telex: 889 188 SERVE G

DLZ 908

Please note: We do our best to supply our customers with the services they ask for but we may have to provide services which do not accord exactly with the descriptions, in this leaflet.

Your British Telecom Sales Office will gladly supply any further information or details of any changes in the information in this leaflet since it went to print. The address, telex and telephone numbers are shown in the preface of your telephone directory.