

# IDA

Integrated Digital Access

**A new approach to  
telecommunications**



### **IDA: Integrated digital access**

IDA is a wholly new telecommunications concept bringing new capability to the service British Telecom offers. Use of IDA by a customer will mean that his total telecommunications traffic will be carried on a single high capacity link. This link, between the customer and BT's network, replaces separate access links to each BT service.

### **IDA, ISDN and System X**

BT has begun a nationwide programme of modernisation based on massive investment in the System X family of local and trunk exchanges. System X is fully digital and will give access to specialised network resources offering such services as packet switching and Prestel. This fusion of digital switching, digital transmission and digital network resources will form the ISDN - BT's Integrated Services Digital Network. IDA will be the customer's link with the ISDN, via his local System X exchange.

### **IDA: How does the customer benefit?**

As the digital link to BT's network, IDA will serve a wide range of customer needs. IDA offers flexible network access, easily configured to meet individual requirements. This flexibility is the key to on-demand access to BT's services. Charges will closely match usage, providing the customer with economical access to all services - infrequently-used and heavily-used alike.

### **IDA: Services and interfaces**

Standard IDA services will give simultaneous access to 2 System X ports, one operating at bit rates of up to 64kbit/s, the other at 8kbit/s. (Future enhancement will expand this to twin 64kbit/s ports plus low speed packet switched access.)

**IDA** will give access to:

#### **Voice transmission**

Full telephone service will be available using the 64kbit/s port and incorporating Star Services and very fast connection.

#### **X-Stream services**

IDA will provide access to these digital non-voice services:

Switchstream One: X25 access to BT's Packet Switched Service at user rates of up to 64kbit/s

Switchstream Two: X21 or X21 bis access to BT's digital circuit switched service at user rates of up to 64kbit/s with very high reliability.

Kilostream: X21 or X21 bis access to BT's private circuit service on a full or part-time basis.

IDA will allow these high speed services to be exploited to carry a variety of applications such as ultra-fast facsimile, slow-scan TV and Picture Prestel.

### **Multiple IDA**

In addition to Standard IDA, a multiple IDA access capability will be available. This will provide up to 30 simultaneous 64kbit/s ports via the single access link. Multiple IDA will extend digital System X facilities to the emerging generation of digital PBXs, including BT's Monarch. Used in this way, for both voice and non-voice traffic, these PBXs will be seen as true ISPBXs - Integrated Services PBXs.

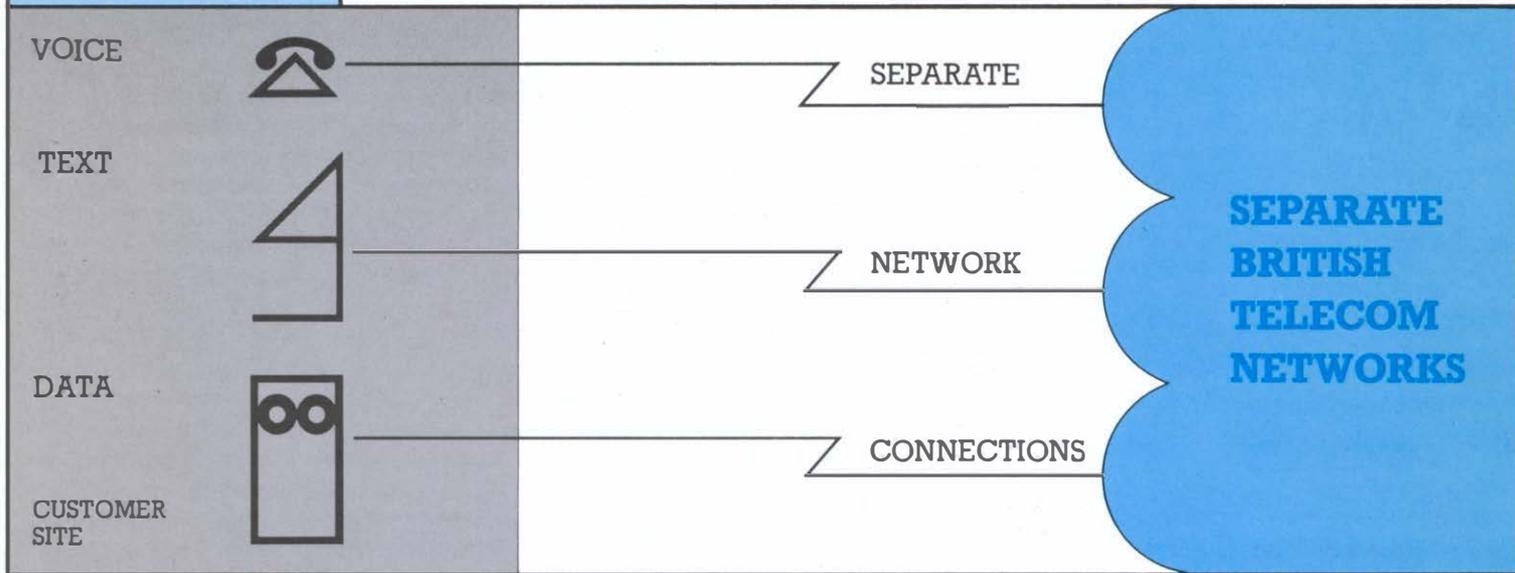
### **IDA availability**

IDA will be a standard feature of System X exchanges from 1985. Early installations will be in major cities and commercial centres. From late 1983 BT will operate a Pilot IDA service centred on London. This will enable leading telecommunications users to evaluate the benefits of the IDA concept. It will also provide terminal and service suppliers with an early opportunity to develop systems to exploit IDA's potential.

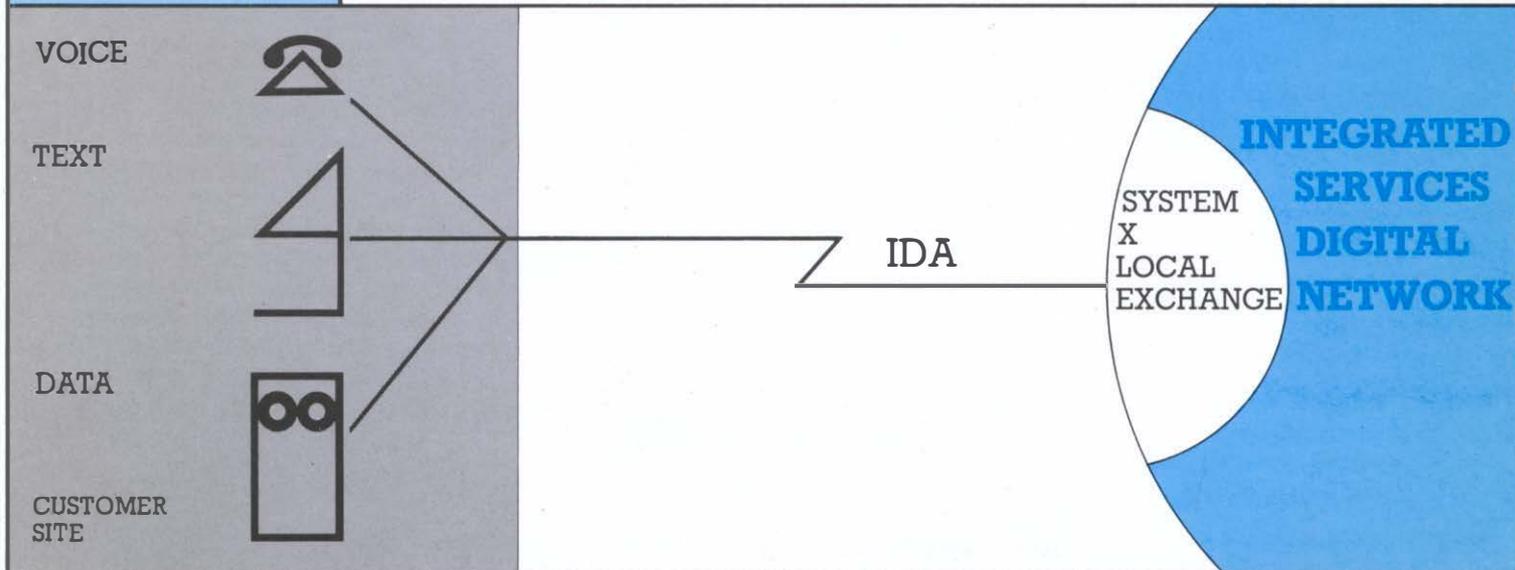
### **IDA marketing**

BT invites initial discussion of participation in the Pilot IDA service. To discuss this or any other aspect of IDA please contact: Don Mildenhall, IDA Marketing, British Telecom, Seal House, 1 Swan Lane, LONDON, EC4R 3TH, 01-357 3351 Telex: 883055

## BEFORE IDA



## USING IDA



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