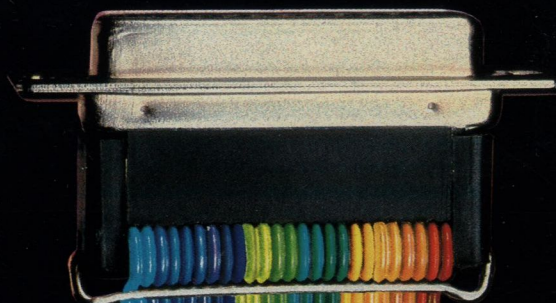


Telecom.

AUSTRALIA'S DATA CONNECTION



Telecom Austpac

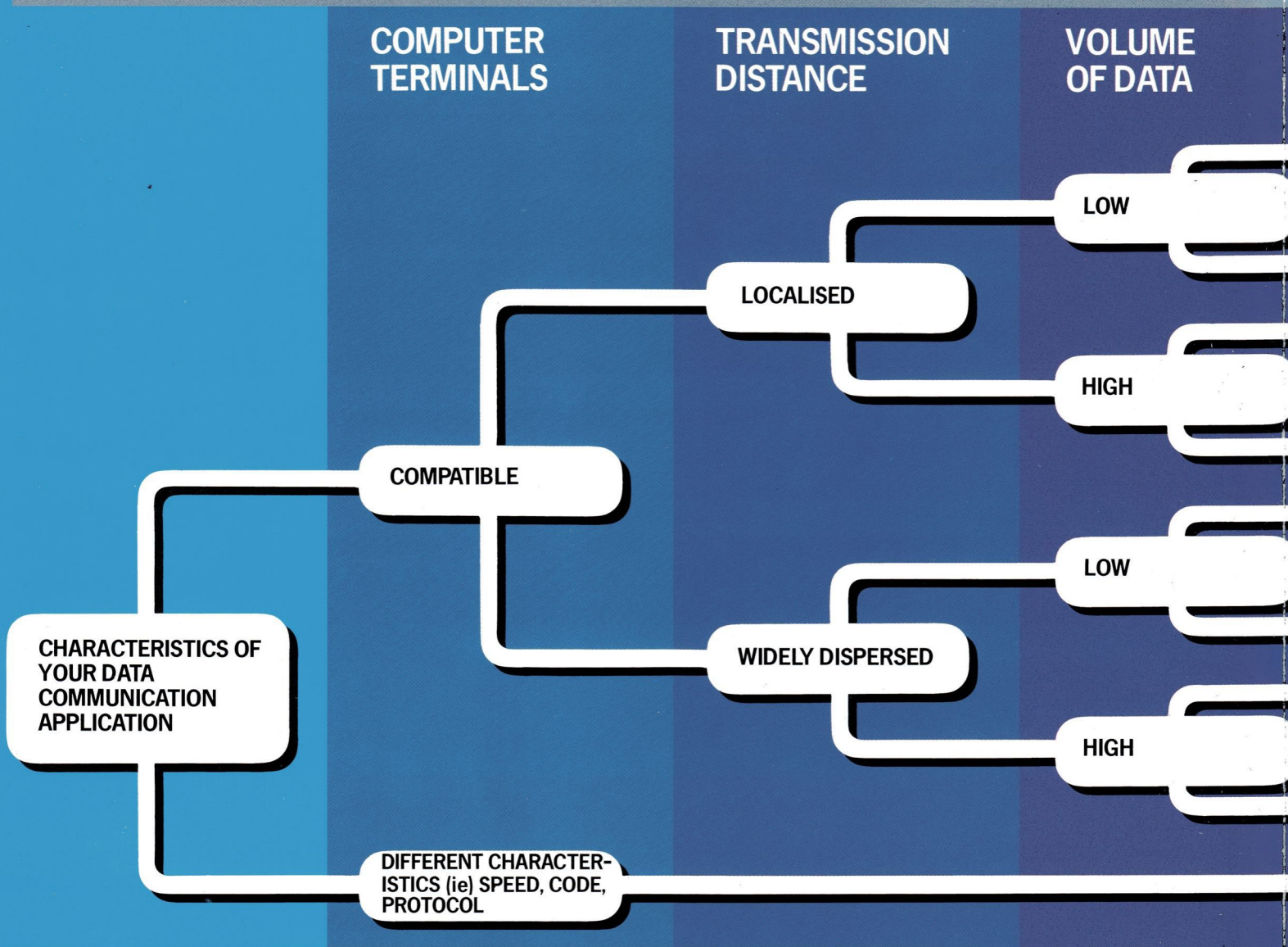
Telecom Datel

**Telecom Digital
Data Service**



Telecom Australia
Better for Business

TELECOM'S GUIDE TO DATA COMMUNICATIONS



BASIC DATA SERVICES

DATTEL SERVICES

To assist in the selection of the best data communication solutions, Telecom has a full range of Datel (modem) services. Rental and Purchase options are available. Choose from the wide range of Telecom modems, all flexible enough to cater for your specific data communication requirements.

LOCAL AREA SERVICE

Between locations within the same telephone exchange area or from designated exchange pairs.

Asynchronous – 2400 bit/s to 19.2k bit/s full or half duplex. Point to point or Multipoint.

Synchronous – 2400 bit/s to 72k bit/s full or half duplex. multipoint to 19.2k bit/s. Point to point all speeds.

SHORT DISTANCE SERVICE

Operation over a radial distance not exceeding 10km between serving exchanges.

Asynchronous – 2400 bit/s to 4800 bit/s full or half duplex.

Synchronous – 2400 bit/s to 9600 bit/s full or half duplex.

All short distance services can be multipoint or point to point.

LOW SPEED SERVICE

Operation over any distance.

Asynchronous – 300 bit/s to 1200 bit/s full or half duplex.

Multipoint 600, 1200 bit/s point to point all speeds.

Synchronous – 600 bit/s to 1200 bit/s full or half duplex. Point to point or multipoint. V.21, V.23.

LONG DISTANCE SERVICE

Operation over a distance exceeding 10km.

Synchronous – 2400 bit/s to 9600 bit/s full or half duplex. Point to point or multipoint. V.26, V.27 bis, V.28.

HIGH SPEED SERVICE

Operation over a distance.

Synchronous – 48k bit/s to 72k bit/s Full duplex. Point to point. V.35, V.36.

CATIONS

NATURE OF DATA TELECOM'S SERVICE SOLUTION

CONSTANT STREAM	AUSTPAC	DDS	DATel
INTERMITTENT/BURST	AUSTPAC		DATel
CONSTANT STREAM		DDS	DATel
INTERMITTENT/BURST	AUSTPAC	DDS	DATel
CONSTANT STREAM	AUSTPAC	DDS	
INTERMITTENT/BURST	AUSTPAC		
CONSTANT STREAM		DDS	
INTERMITTENT/BURST		DDS	
	AUSTPAC		

SWITCHED NETWORK DATel SERVICE

Operation over any distance.

Asynchronous – 300 to 2400 bit/s full or half duplex.

Synchronous – 600 to 4800 bit/s full or half duplex.

Synchronous – 9600 bit/s full duplex. V.21, V.22, V.22bis, V.23, V.26bis, V.27ter, V.29.

TELECOM'S SWITCHED NETWORK AND PRIVATE LINE DATel SERVICES:

Offer extensive facility options in addition to those highlighted here, including:

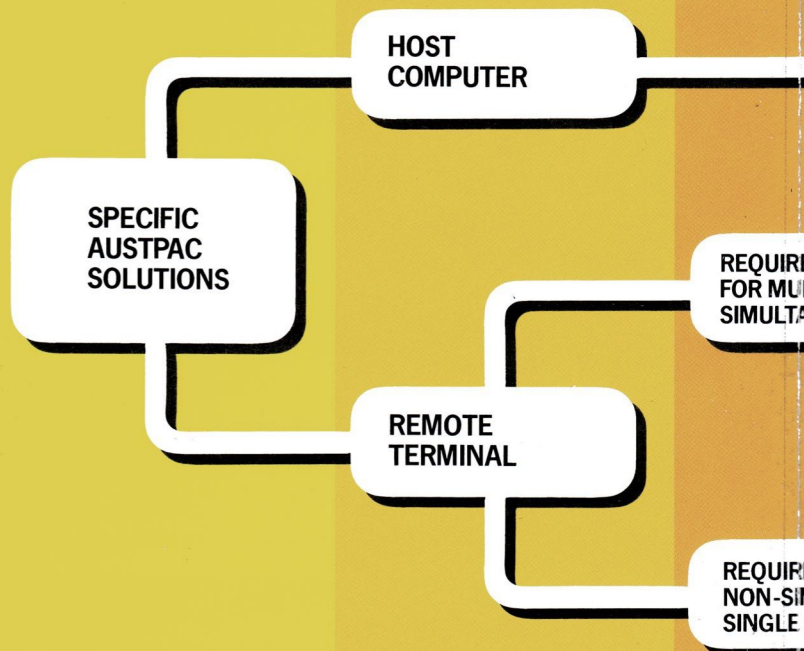
- Echo Suppression
- Auto Answer
- Auto Dial
- Self Equalization

A total end to end service can be designed to meet your needs.

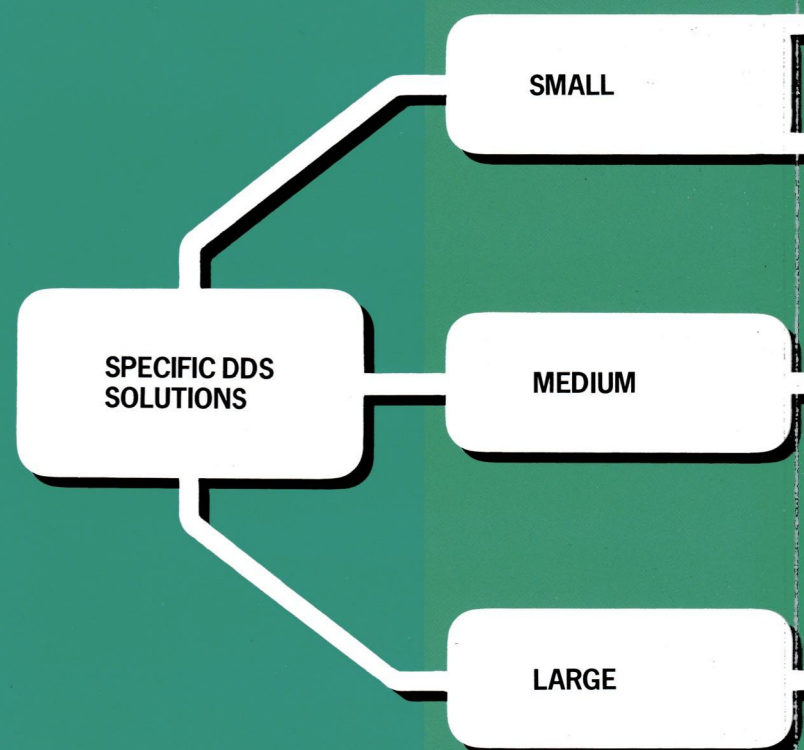
PREMIUM DATA SERVICES:

CALLING EQUIPMENT

CALL CHARA



COMPUTER APPLICATIONS/ NUMBER OF SERVICES



Note: Netstream price discount option available for aggregated DDS services on the same chargeable route.

AUSTPAC (Packet Switched Data Service)

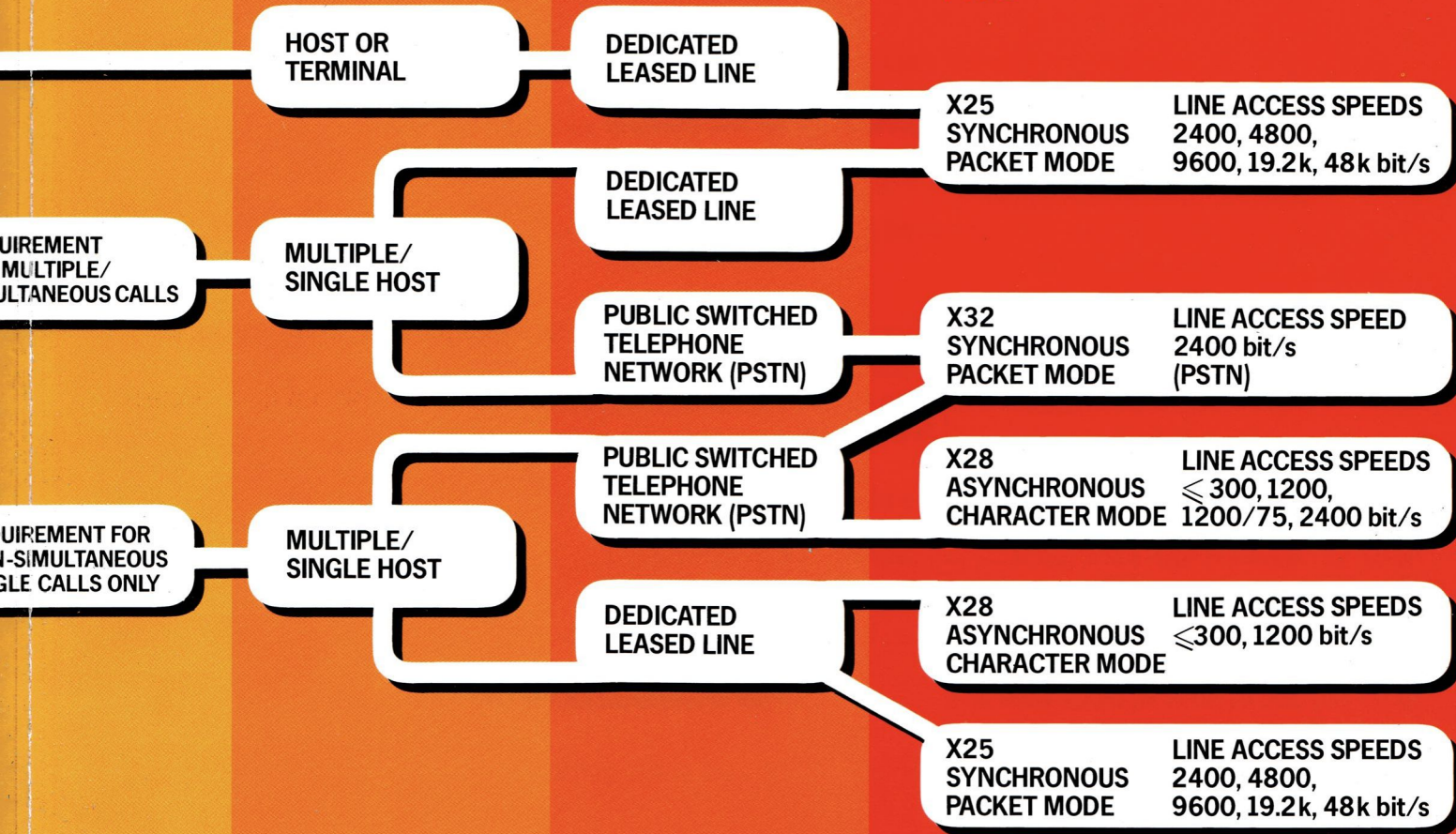
CHARACTERISTICS

DESTINATION ADDRESS/ES

ACCESS METHOD OF CALLING EQUIPMENT

CALLING EQUIPMENT TYPE

LINE ACCESS SPEEDS

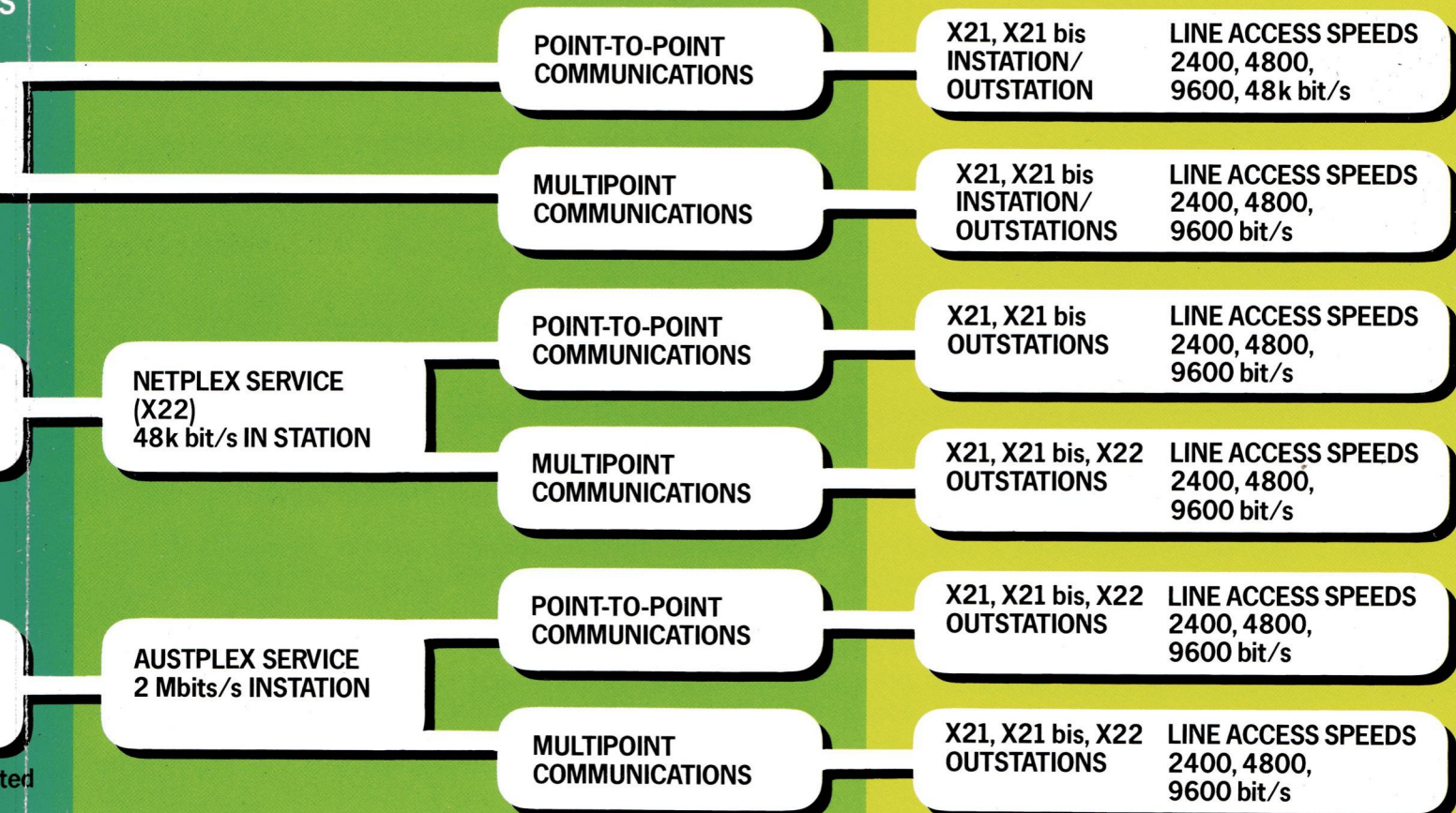


DIGITAL DATA SERVICE (DDS)

NETWORK CONFIGURATION

DDS SOLUTION

LINE ACCESS SPEEDS



CCITT RECOMMENDATIONS

"V" SERIES

- V.21** 300 bit/s duplex modem standardised for use in the general switched network.
- V.22** 1200 bit/s modem standardised for use on the general switched telephone network and on leased circuits.
- V.22 bis** 2400 bit/s modem standardised for use on the general switched telephone network and on a two-wire leased circuits.
- V.23** 600/1200-baud modem standardised for use in the general switched telephone network.
- V.24** List of definitions for interchange circuits between data terminal equipment and data circuit-terminating equipment (and provisional amendments, May 1977).
- V.26** 2400 bit/s modem standardised for use on four-wire leased circuits.
- V.26 bis** 2400/1200 bit/s modem standardised for use in the general switched telephone network.
- V.27** 4800 bit/s modem standardised for use on leased circuits.
- V.27 bis** 4800 bit/s modem with automatic equalizer standardised for use on leased circuits.
- V.27 ter** 4800/2400 bit/s modem standardised for use in the general switched telephone network.
- V.29** 9600 bit/s modem for use on leased circuits.
- V.35** Data transmission at 48 kilobits per second using 60-108-kHz group-band circuits.
- V.36** Modems for synchronous data transmission using 60-108-kHz group-band circuits.
- V.54** Loop test devices for modems (and provisional amendments, May 1977).

"X" SERIES

- X.21** General purpose interface between data terminal equipment and data circuit terminating equipment for synchronous operation on public data networks.
- X.21 bis** An interface to enable DTEs designed to work with CCITT V series synchronous modems to be directly connected to the digital data network.
- X.22** Multiplex DTE/DCE interface for user classes 3-6.
- X.25** Interface between data terminal equipment and data circuit-terminating equipment for terminals operating in the packet mode on public data networks (and provisional amendment, April 1977).
- X.28** DTE/DCE interface for a start/stop mode data terminal equipment accessing the packet assembly/disassembly facility (PAD) on a public data network situated in the same country.
- X.32** Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for terminals operating in the packet mode and accessing a packet switched public data network through a public switched telephone network or a circuit switched public data network.

Does Your Business Need A Total Data Solution? Consider the benefits of talking to Telecom:

- Experienced Data Consultants available to discuss all aspects of your data requirements.
- Network designed and managed by highly skilled technical personnel.
- Technologically advanced, engineered network that is future proof, providing unequalled network flexibility and reliability.
- Cost effective, total end to end solution.
- Customer diagnostics available on specific applications.
- Volume and distance dependent networks.
- Interface standards that conform to CCITT recommendations.

For complete details on our full range of data products, contact your Telecom Consultant on:

NSW:

BUSINESS SYSTEMS SALES,
COMMERCIAL DEPARTMENT,
PO BOX A226,
SYDNEY SOUTH. 2001.
Telephone: (02) 267 6767

VIC:

SALES ADMINISTRATION
COMMERCIAL DEPARTMENT, 1st FLOOR,
219 ELIZABETH STREET,
MELBOURNE, VIC. 3000.
Telephone: (03) 605 5099

QLD:

BUSINESS NETWORKS BRANCH
OPERATIONS DEPARTMENT
5TH FLOOR, 40 CREEK STREET
BRISBANE, QLD. 4000.
Telephone: (07) 835 6400

SA:

BUSINESS SYSTEMS BRANCH
OPERATIONS DEPARTMENT
6TH FLOOR,
STANDARD CHARTERED BUILDING
26 FLINDERS STREET
ADELAIDE, SA. 5000.
Telephone: (08) 230 4122

WA:

BUSINESS NETWORKS BRANCH
OPERATIONS DEPARTMENT
1ST FLOOR, MARKALINGA HOUSE
251 ST GEORGE'S TERRACE
PERTH, WA. 6000.
Telephone: (09) 420 7477

TAS:

BUSINESS SYSTEMS BRANCH
OPERATIONS DEPARTMENT
1st FLOOR, 80 ELIZABETH STREET
HOBART, TAS. 7000.
Telephone: (002) 20 8800

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OPERATIONS DEPARTMENT
2ND FLOOR, 490 NORTHBOURNE AVENUE
DICKSON, ACT. 2602.
Telephone: (062) 45 5555

NT:

DISTRICT TELECOMMUNICATIONS BRANCH
OPERATIONS DEPARTMENT
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47 MITCHELL STREET
DARWIN, NT. 5790.
Telephone: (089) 89 3600



Telecom Australia

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