



## Fact Sheet

# Data Access Radial (W-DAR)

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### WHAT IS IT?

Data Access Radial (W-DAR) is one of the data communications services from TelstraClear Wholesale's portfolio of Narrowband Private Leased Circuit Services. These Layer 1, Time Division Multiplexed (TDM) circuit switched services provide reliable and secure data transport over a dedicated communications channel. W-DAR can be used to provide the underlying access network over which you can build and deliver an end-to-end service for your end customers.

### WHAT DOES IT DO?

The W-DAR service can provide either a dedicated point to point (W-DAR-S) or point to multipoint (W-DAR-M) access service depending on the A end access type chosen.

With the standard A end access option W-DAR provides a single point-to-point N x 64kbit/s connection between A end and B end (i.e. 64kbit/s up to 1984kbit/s).

With the aggregated A end option W-DAR enables a number of discrete Nx64k connections (i.e. 64kbit/s up to 1984kbit/s) from many different end customer (B-end) locations to be aggregated and delivered as contiguous timeslot bundles on a single 2Mbit/s link between your A-end Point of Presence (POP) and the nearest TelstraClear Digital Cross Connect switch (DCC or DAC's). With the aggregated A end option the 2Mbit/s aggregate link is referred to as the W-DAR Primary circuit. The circuits from B-end locations that are delivered into the A-end over the Primary circuit are referred to as Secondary circuits.

By using W-DAR in conjunction with your own POP infrastructure you can provision your own carriage services e.g. Dedicated Data, Frame Relay and Internet Access services.



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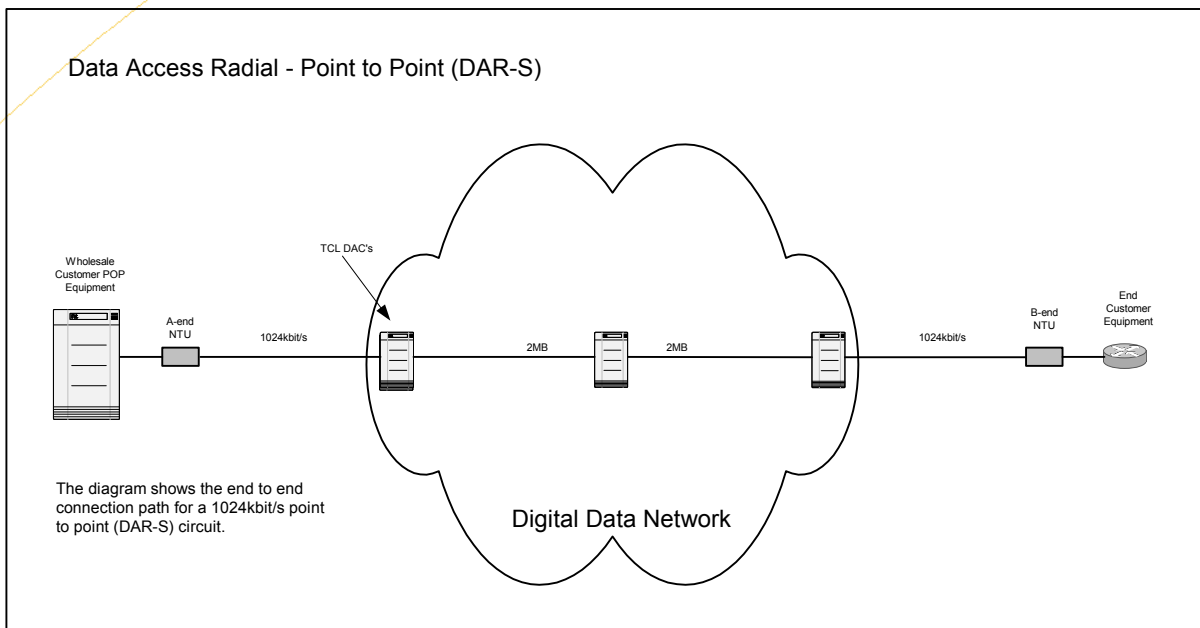
### HOW DOES IT WORK?

W-DAR circuits are made up of three basic components – an A end access, a B end access and dedicated transmission capacity between A and B.

With W-DAR-S (Standard A end Access) the A end access circuit will terminate on a port on your POP equipment. The service is delivered to site A via a connector on a TelstraClear supplied NTU or mounting plate. A range of interfaces are supported i.e. X.21, V.35 or 2M G.703.

The B end access circuit will terminate on a port on your customers equipment. The service is delivered to site B via a connector on a TelstraClear supplied NTU or mounting plate. A range of interfaces are supported i.e. X.21, V.35 or 2M G.703.

Dedicated transmission capacity is established across the TelstraClear Digital Data Network (DDN) backbone between A end and B end access circuits by configuring semi permanent connections in any intermediate switches in the path from A-end to B-end.



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With W-DAR-M each A end access circuit (primary or aggregate) will terminate on a channelised E1 port on your POP equipment and will be hosted from a corresponding E1 port on a TelstraClear DAC's in the nearest TelstraClear POP. The service is delivered to site A via a connector on a TelstraClear supplied NTU or mounting plate. A 2M G.703 interface is used.

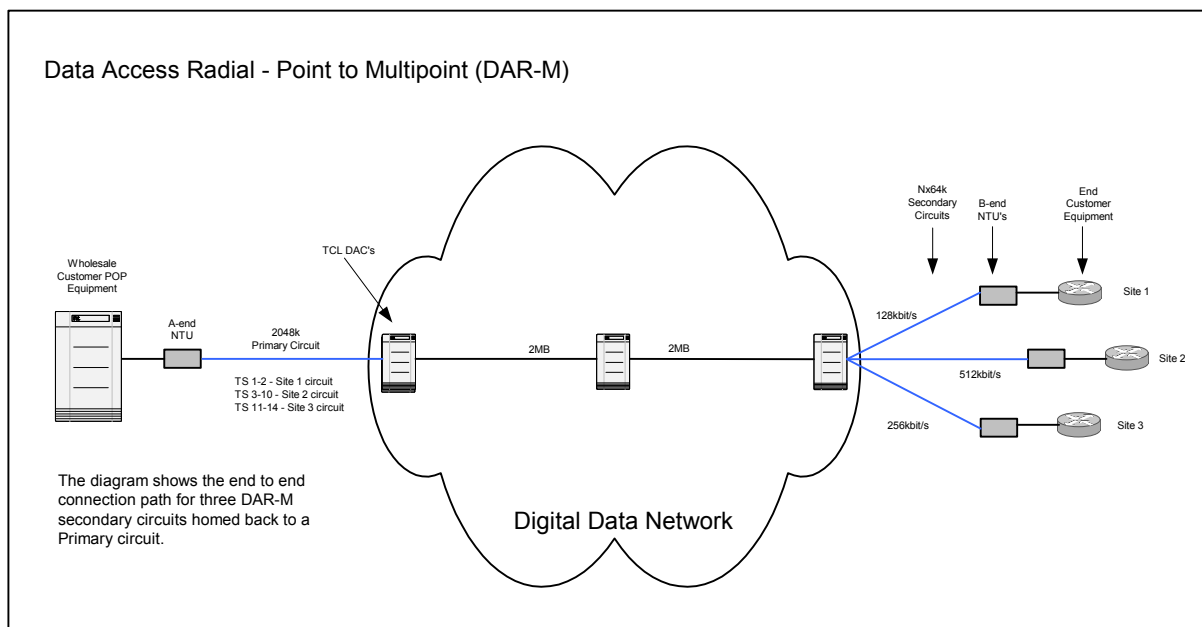
Each W-DAR-M Secondary circuit connection delivered back to the Primary consists of an access circuit component from the B-end customer premise to a port on the nearest TelstraClear DAC's plus a transmission component from the serving B-end DAC's port across the TelstraClear Digital Data Network (DDN) backbone to the Primary circuit DAC's port.

The DDN is a nationwide network of switches connected with E1 inter-nodal links. Secondary circuits crossing the DDN have semi permanent connections configured in any intermediate switches in the path from A-end to B-end.

The service is delivered to site B via a connector on a TelstraClear supplied NTU or mounting plate. A range of interfaces are supported i.e. X.21, V.35 or 2M G.703.

A single W-DAR 2Mbit/s Primary circuit has 31 x 64kbit/s timeslots (TS) available for aggregation of secondary circuits. The number of secondary circuits that can be supported on a single Primary circuit depends on the speeds (i.e. quantity of TS) of the secondary circuits. E.g. Up to 31 x 64kbit/s secondary circuits could be supported (or 15 x 128kbit/s circuits or various other combinations of different speed circuits etc up to the 31 TS maximum).

Once the first W-DAR 2Mbit/s Primary circuit is fully utilised additional Primary circuits can be added.





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### WHO IS IT FOR?

TelstraClear Wholesale W-DAR suits carriers or service providers wanting to offer competitive or differentiated Dedicated Data, Frame Relay or Internet access service to all levels of business users. W-DAR can be purchased by carriers for resale.

### WHAT ARE THE BENEFITS?

You'll be able to build your own flexible revenue channel by packaging, pricing and marketing dedicated services such as Frame relay or DDS to your market.

You can leverage off TelstraClear's existing infrastructure and save on capital costs of building new infrastructure and on port costs on your POP equipment.

Use W-DAR to gain nationwide New Zealand connectivity

W-DAR provides you with exclusive use of network resources, ensuring that end customers receive the highest quality of service. With a contention ratio of 1:1, end customers can be confident of service performance with perpetual access to the allocated bandwidth.

W-DAR provides secure and reliable connectivity over TelstraClear's Digital Data Network (DDN) that is reflected in a network availability target of no less than 99.9%. W-DAR provides Service Level Agreements with respect to network availability, provisioning and fault restoration, assuring high performance and reliability.

A 24 x 7 Network Operations Centre monitors the DDN switches and inter-nodal links around the clock, which gives you the added security required for critical data services.



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## SERVICE FEATURES

Extensive network coverage for ubiquitous and seamless network connectivity to your end customers.

Dedicated data bandwidth options 64kbit/s to 1984kbit/s (Nx64kbit/s) provide the flexibility, security and reliability required to meet your customer's needs.

A-end aggregation with W-DAR-M provides efficiencies in port use on your POP equipment allowing equipment cost savings. W-DAR-M is also space efficient when compared to using individual W-DAR-S circuits that need an NTU per circuit at the A-end and can consume valuable space in your equipment racks.

B-end support for X.21, V.35 and 2M G.703/G.704 physical interface presentations minimises any compatibility issues with your end user's network equipment interface

End to end provisioning of services includes NTU for end users, eliminating potential internetworking issues.

## PROVISIONING

Provisioning of W-DAR access circuits is carried out within 17 business days for 64-128k access circuits and 22 business days for 192-1984k access circuits.

Provisioning of W-DAR-M Primary circuits is carried out within 15 business days. NB - Primary circuits can only be provided to ONNET TelstraClear locations.

## SERVICE ASSURANCE

Service assurance is vital in a competitive data market and all of TelstraClear Wholesale's data services are covered under a comprehensive Service Level Agreement (SLA)

The primary point of contact for service issues is the TelstraClear Helpdesk. Through the helpdesk we provide:

- 24x7 fault logging facility;
- investigation and management of faults through to resolution;
- updates on progress with fault resolution;
- escalation of unresolved faults

For critical impact faults the target response time is 20 minutes and target fault resolution time is 4 hours (ONNET sites Metro areas).





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### WHAT OTHER TELSTRACLEAR WHOLESALe SERVICES WILL COMPLEMENT W-DAR?

W-DAR can be used in conjunction with Wholesale Transmission (Broadband) services to enhance your service offering and provide greater value for money.

By packaging W-DAR with Wholesale Transmission (W-TX) you can provide a scalable dedicated data access service with speeds ranging from 64kbit/s to 622Mbit/s.

### HOW DO I ORDER IT?

W-DAR services can be ordered through your TelstraClear Wholesale Account Team. We offer flexible straightforward terms and conditions as part of your Wholesale Customer Relationship Agreement with us.

### FOR FURTHER INFORMATION

Contact your TelstraClear Wholesale Account Manager.

