

## Backhaul – A Creatively Simple Solution

# WS3500 – DDS Interface Module

The **WS3500 DDS Interface Module** has been designed to leverage our customers' investment in DDS circuits and network equipment, and provide an IP-enabled solution for Broadband Access in Outside Plant sites. Using this technology, data transport can be extended to the edge of your network without the expense of operating infrastructure that is accounted for using Government regulatory accounting practices. In addition to the transport benefits, our **DDS Interface Module** provides features to help you test and maintain your DDS network when connected to end devices that support loopback.

Coupled with **SLC Sequencer**, the **WS3500** enables complete management of legacy, current and future broadband access networks.

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### Technical Features:

- 12 Channel DDS Interface
  - DS0-DP electrical interfaces
  - Supports encoding and decoding of serial data for 2.4, 4.8, 9.6, 56, and 64 kbps DS0-A channel formats per TA-TSY-000077 and TR-62310
- Support for PPP connectivity to end device IP enabling remote equipment
- Circuit Testing
  - Provide one test access for the twelve circuits
  - Support testing at each of the supported subrates
  - Generate and verify operation of OCU, Channel, and DSU non-latching loopbacks per TA-TSY-000077 and TR-62310
  - Generate and verify operation of DS0-DP line side, DS0-DP drop side, OCU, and Channel latching loopbacks per TA-TSY-000077 and TR-62310
  - Generate and verify operation of V.54 loopbacks
  - Support 511 and 2047 pseudorandom bit sequence (PRBS) generation per ITU-T 0.153
- Seamless integration with existing WS3500 features

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### Benefits:

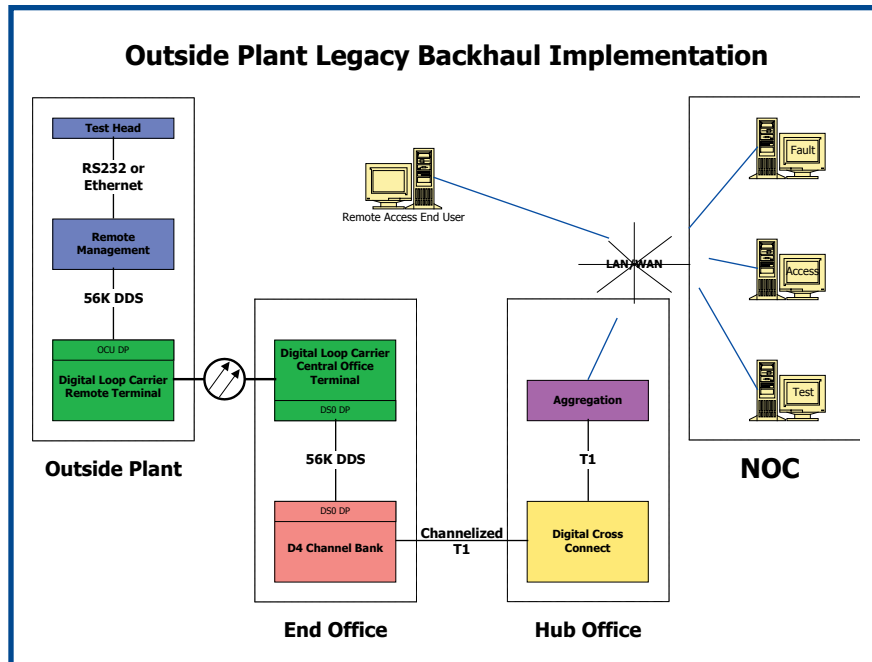
- Utilize existing DDS circuit architecture to IP-enable remote infrastructure locations
  - Use pass through or terminal server capabilities of remote site device to manage equipment at remote site
- Minimize operational expenditures by locating WS3500 in the Central Office terminal serving the DDS circuits, which bypasses current Government regulatory accounting practices
- Part of the WS3500 product family, which supports a wide range of Monitoring and Management functions on a single platform
  - Reduces initial costs, and simplifies installation and ongoing maintenance
  - Total solution for legacy, current and future broadband access networks

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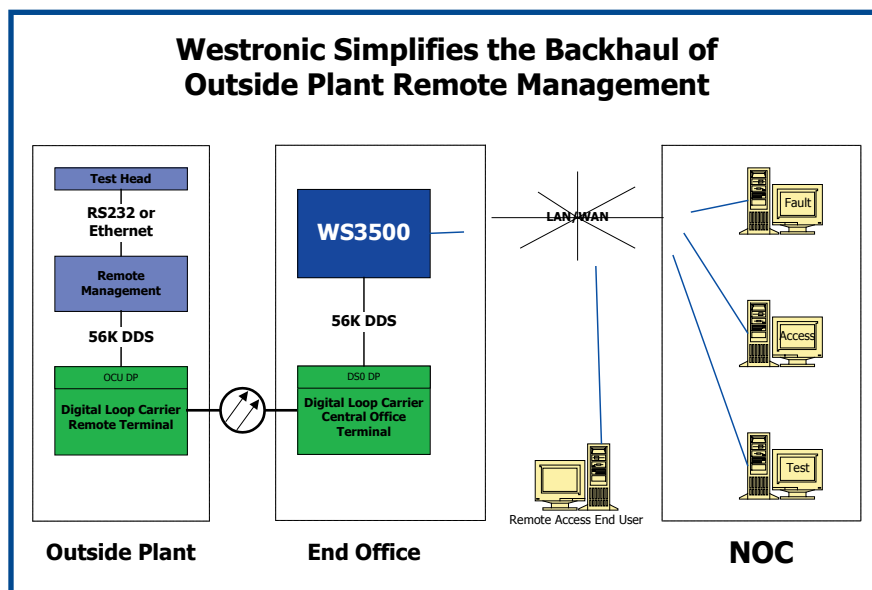
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## "Their Way"



## "The Westronic Way"



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