



## An Innovative Solution That Streamlines Broadband Services

Overview (with Case Studies)

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## Challenges: Broadband as the Fifth Utility



Broadband demand is increasing Higher penetration = higher profit But churns, support calls, truck rolls... reduce profit and satisfaction

- ☐ Subscribers have legacy wiring. In-wall connections = Hidden Cost.
- $\square$  Subscribers are not computer or data savvy. Handholding = Hidden Cost
- Different devices are connected to broadband services. Growth in mobile and web applications. No common denominator. Frequent technology changes. Complexity = Hidden Costs.
- ☐ Rising call-center's labor rate. Complexity increases cost of staff training
- ☐ Truck roll is expensive. E.g.: One ATT U-Verse customer has 10 truck rolls
- □ Long holds on phones, frequent case-escalation increase costs and frustration.



## **Essence of the Avinta Innovation**

Allow Broadband Service Provider to
Diagnose Faults like Old-fashion Analog Voice
Lines

- Pick up the phone to hear dial tone
- Call someone and ask that person to call back
- ☐ If this works from the NID box outside the building, customer knows that abnormality is on-premises. The service provider understands its responsibility with the subscriber ends at the demarcation point outside. Unnecessary support costs, and most importantly, disagreements and frustration are avoided.

Avinta reinvents the same simplicity in diagnostic process for broadband services. Enable Service Provider to successfully scale service to 100% penetration



## Advantages of the Avinta Solution



- ☐ Service provider installs only once. Users install well-identified end points wherever appliances or devices connect to service
- □ Isolate faults like the POTS and leverage the large pool of technicians trained on POTS.
- ☐ Eliminate issues concerning hidden connections through walls
- ☐ Reachability at each corner of the house is 100% validated. Important for Smart Grid, Smart Home, Home Care, etc.
- □ Agnostic to transmission technologies, xDSL, WiFi, Coax, WiMax, etc.
- □ Phase by phase implement Avinta IPs, starting from standardsbased volume merchant ICs, then FPGA & finally SOC

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□ Er □ Re □ Lo □ Eli □ Mo	padband Service and Content Providers able wide broadband deployment everywhere duce or eliminate calls to call center wer skill barrier to support broadband minate truck rolls pre upgrades to higher-speed services pre content and applications consumption
□ Mo	uipment and Device Manufacturers  ore subscribers = More products deployed  ore contents and apps. = More product upgrades

Simple Field Implementation
□ENID installation by carrier's installer
☐ User plugs in HAM wherever broadband is needed
□All end-user devices access via Ethernet interface
☐ Use wireless only when mobility is desired













