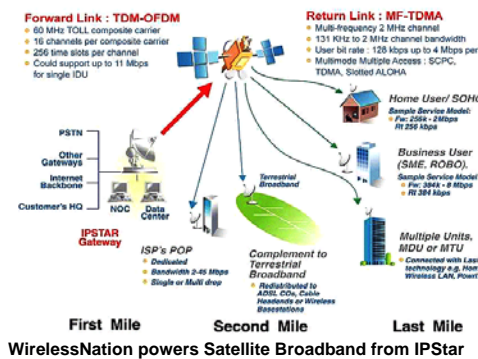


SUCCESS STORY: *Wireless Extension for Satellite Broadband Services in New Zealand*

In recent years, with the development of wireless Internet technologies that are often less expensive to deploy than more traditional fiber optic or cable wireline networks, a variety of institutions from coffee shops to non-profit organizations to universities and municipalities have deployed wireless Internet networks to serve their customers or residents. Satellite broadband providers offer broadband Internet service targeted primarily to the estimated large quantity of homes and small businesses that do not have access to other broadband Internet options.

Internet Connection for Rural Areas of NZ

WirelessNation (www.wirelessnation.co.nz) delivers high speed Internet services with satellite broadband and latest wireless technologies. Such Satellite Internet service is provided through the same small dishes used to deliver video services, such as DirecTV and Dish Network. Users send and receive information to the Internet via a satellite dish to a receiver on a satellite in space. The satellite retransmits the signal to and from the network operation center that is connected to the Internet. A major advantage of satellite broadband is its ability to deliver service to any location with a clear view of the sky. Disadvantages for Satellite broadband is that it costs more for such dish/receiver and installation



The initial part of connecting rural people is to connect the community and unite it as a whole. The purpose of people-to-people connectivity is to facilitate the transfer of information across a tribe and to provide information readily to every home. By connecting at a small-scale and then working up to a larger scale connection will be easier to be handled and organized. The central idea of local-to-local connection is by having a base-station that will be connected by outdoor wireless Client Point Equipments (CPE) to a router in each home. Each

person in the home will then be able to connect to the router through a voice over Internet protocol (VoIP) phone, or even connects to CPE devices with WiFi phone.



Hybrid Architecture

Infortek Limited (www.infortek.co.nz) and WiBorne, Inc., come out very cost effective solutions to offer such base station, CPE, and small controller, with single satellite dish / receiver as a mobile hotspot that serve small group of households. This dramatically reduces cost of installation and equipments for satellite broadband services. Radio solutions are flexible and scalable and avoid the high costs and delays associated with wire deployment. Wireless is also a natural solution for adding nomadic services. Our systems combined with Wireless Local Area Networks (WLAN), and to some extent 2G/3G networks, can provide real broadband connectivity in rural and developing areas. We use hybrid architecture that produces right combination of a satellite system and broadband terrestrial technologies (wireless, mostly). It seems to be the most efficient and affordable way to provide broadband communications to remote regions.

Billing Strategies

We offer three types of billing options. **Simple** is for small networks controlled by thin access controller for Internet Café with a VSAT connection. **Local** is an independent hotspot operation that provides local AAA as WiBorne's HSG-250 Hotspot Controller for 250 to thousands of users. **Centralized** is for multi-site networks that managed by other 3rd parties of RADIUS servers or WiBorne's HSG-1000 remotely.

WirelessNation Ltd. www.wirelessnation.co.nz

Infortek Limited, www.infortek.co.nz

WiBorne, Inc. www.wiborne.com

December 15, 2006