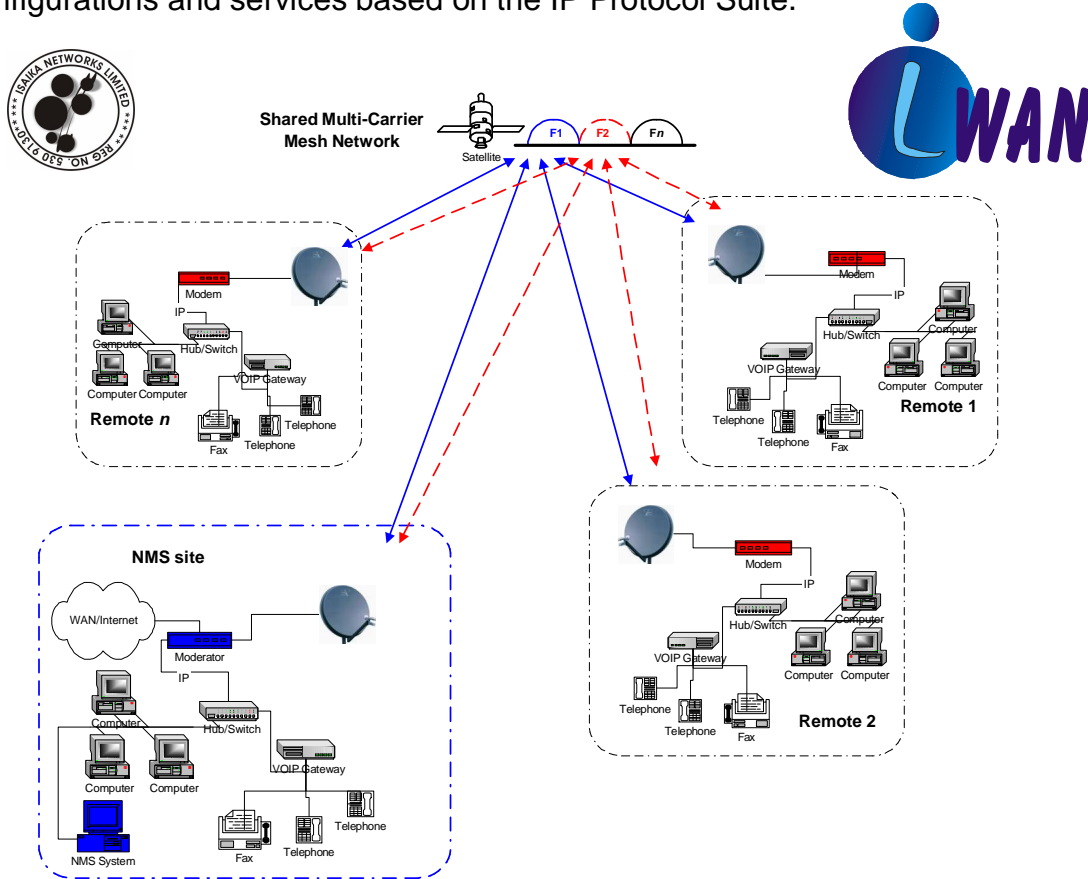


IWAN MESH SYSTEM

This System offers a highly flexible and cost effective satellite network solution for broadband applications. The network solution supports a variety of configurations and services based on the IP Protocol Suite.



Full Mesh Multi-frequency TDMA DAMA networks offer direct point-to-point communications between any two nodes in a network. This kind of MESH configuration is a real mesh, using a single modem per site. The IP routing protocol defines the destination routing for any communications traffic in the network and only the destination nodes receive the intended communications.

The Mesh Network may be configured with a single shared carrier or multiple shared carriers as shown above. In multi-frequency configurations all the carriers are the same-size and each modem in the network will share all the carriers on an as needed basis. The Network Moderator manages all carriers as though they are one and allocates time slots to remote terminals on demand. Each Remote Node will use the allocated time slots on whatever carriers they are assigned on a burst-by-burst basis. This unique shared frequency concept allows for ease of expansion by simply adding more and more carriers and remote nodes.