

Businesses use the Internet for many reasons: communication with their customers via E-mail, connecting their remote workers securely into the office network utilising technologies such as VPN or indeed as a substitute for their telephone system via VOIP (Voice over IP)

Internet use is now a business critical function which means that in the event of a fault or loss of connectivity there can be a major impact on business continuity. Even though your business may have a business grade circuit with an SLA even the most reliable circuits can have a fault or outage.

Back up circuits are not new to the market however many business do not tend to implement secondary circuits due to the fact that they can be expensive. In some cases the backup circuit is not capable of supporting the bandwidth of the main circuit so when there is a failure the performance is unacceptable.

At amatis we understand and recognise that these types of faults or the incorrect back up can impact businesses, so we have designed a high speed cost effect solution to solve this problem.

With any our EFM or Ethernet circuit we now include the option of the following back-ups solutions

- **FTTC Enhanced service\***  
(Up to 20Mbs download / 20Mbs upload. 300GB total traffic allowance)
- **ADSL Office Annex\***  
(Up to 16Mbs download / 2.5Mbs upload. 100GB traffic allowance per month)
- **ADSL office service\***  
(Up to 24Mbs download / 1.1Mbs upload. 50GB traffic allowance per month)

\*subject to availability and bandwidth achieved may vary depending on distance and quality of copper being used – PSTN not included

### So how's it work?

The backup circuit would be configured in parallel to the Primary amatis EFM or Ethernet circuit, both the circuits would then share the same IP addressing. In the event of line failure the secondary line will take over the traffic within a few seconds.

This solution would increase uptime and resilience for Partners whose customers run business critical services over IP

Benefits at a glance:

- Automatic fail over between different technologies
- Cost effective
- High speed bandwidth
- Diversely routed at the local exchange – with the amatis Ethernet and EFM these would actually terminate at the local exchange into one set of termination equipment. The FTTC and ADSL would terminate into different equipment – from these termination devices the bandwidth is then routed over separate networks and handed back to the Amatis Core Network – this diversity adds additional high availability and uptime to the end customer
- Same IP addresses on both circuits
- The primary circuit and secondary circuit can either be terminated into a single router or HSRP router configuration – providing dual routers redundancy
- Having a strong connectivity foundation with the addition of a backup circuit adds increased reliability, resilience and stability for the end user – this then allows the end customer to consider implementing mission critical services such as SIP