

CMNet PRODUCTION ENVIRONMENT FOR 2016

CMNet is about to enter year three of operation. The system continues to function as robustly as in previous years with only minor issues with equipment failures. The only major setback of the year was due to a Cyber Attack that took the system down for approx. 10 days. This virus was specifically designed to attack Ubiquity equipment and once the problem was fully understood (and after two sorties to the hill Neil and Joe to rectify a power supply problem) Phil was able to rectify the problem and clean the infected equipment. There have been a few issues with the management accounting and reporting systems but these now appear to have been resolved.

On July the 11th some people reported problems with accessing the internet. Investigations revealed that the problem lay outside of the CMNet system and was eventually traced to a fault with the Managed Communications Line coming through Plockton. Subscribers were routed through the Lochcarron Relay until Managed Communications sorted out their problem. The ability to route customers through different exchanges when problems occur proves the strong design of the system enabling the team to keep people connected when exchanges fail.

On the 2nd of February several people reported poor performance, investigation revealed this to be a BT problem.

In the January storms, power cuts and lightening caused unusual problems for one subscriber which resulted in the team having to change his NanoStation 3 times. We thank him for his patience.

The system currently has 2 x ADSL lines and 1 x Fibre line coming from Plockton and 1 x ADSL line coming from Lochcarron.

A new Relay has been installed at Ardaneaskin, kindly hosted by Dave and Becky Smith and three new subscribers have been connected.

There have been some niggly issues over the year but all in all the system has held up extremely well.

The table below shows monthly usage and the daily averages. It can be quite clearly seen that the system is now being more heavily used as people have become to realise that they can now do so much more than they could when using BT.

	Monthly Usage (GB)	Daily Average (GB)
December 2015	283	9.1
January 2016	283	9.1
February	244	8.7
March	283	9.1
April	338	11.26
May	376	12.1
June	380	12.6
July	411	13.25
August	469	15.1
September	441(estimated figure)	14.7
October	517	16.7

We currently have 32 (+3) subscribers on three lines from the Plockton exchange and one line from Lochcarron. The two ADSL lines from Plockton will be removed at the end of May when the contract comes to an end.

We have another 30 customers waiting to be connected.

In December we will be introducing the new year three tariff which, at £3 per 10 GB plus standing charge of £5, is great value.

Joe Grimson.