Appendix I

New Article no. 6.2 in Appendix 5 to Mila´s reference offer for bitstream access

IP telephone service provided at fixed location (VoIP) on Access Option 3

Fixed line telephony service (VoIP), on Access Option 3 is offered on all Ethernet compatible Mila DSLAM equipment and is provided through ADSL/ADSL 2+, VDSL2 and GPON connections. A service is on offer to set up a maximum of two VoIP channels on each connection.

Fixed line telephony service is set up and delivered to a service purchaser on one VLAN. The service is defined in the highest quality category (priority 5) and therefore enjoys priority over other services (Internet and TV). The service purchaser can utilise existing connections with IP/MPLS for transit of the service. See more detailed definitions of A3 interconnections in Appendix 5 in the Mila Reference Offer for Market 5.

Authorised communications protocols for fixed line telephony service on A3 are DHCP, SIP and UDP:

- DHCP (Dynamic Host Configuration Protocol)
- SIP (Session Initiation Protocol)
- UDP (User Datagram Protocol)

User equipment must tag all frames that it sends in accordance with Table 1. In the download direction the frames arrive tagged from the backbone network.

Service	ATM channels/VLAN	Priority
ADSL/ADSL2+	9/48	5
VDSL2	5	5
GPON	5	5

Table 1.

In many instances, SIP functionality is built into user equipment which can be used for VoIP fixed line telephony. The service purchaser can utilise a special telephone port on endpoint equipment, regardless of whether this is an xDSL router or GPON ONT. It is also possible to connect an IP telephone handset or ATA box directly to the Ethernet port on the endpoint equipment.

A POTS port is also available on Mila ONT equipment which supports basic fixed line telephony service. All requests for functionality in excess of basic service through the service purchaser´s telephone exchange portal will be scrutinised and the cost assessed. If Mila agrees to developing the service then this can entail costs that the service purchaser must pay for.

Further information on the setup of user equipment can be found in Appendix 2 in the Mila Reference Offer for Market 5.

The service purchaser must provide an IP address for its customers' endpoint equipment which means that the purchaser must acquire a DHCP server for this purpose. The service purchaser must also use its own telephone exchange portal to provide the service, and all management related to this is the responsibility of the service purchase