

**Invention Title**

Using PacketCable for Non-Telephony QoS-Sensitive Applications and Services

**Invention Summary**

MSOs typically use PacketCable to deliver Dynamic Quality of Service for VoIP telephony, guaranteeing minimum parameters for IP traffic such as jitter, latency, and bandwidth. With adaptations, a Cable Modem can utilize PacketCable DQoS technology to provide prioritized packet flow for other services such as gaming, videoconference, and OTT video. Packaging this service as "GQoS," or Guaranteed Quality of Service, can drive additional revenue by prioritizing packet flow for premium subscribers.

**Invention Description**

Please see attachment for more detailed description.

**Invention Commercial Value/Customers**

This "Guaranteed QoS" can provide additional revenue streams for providers willing to offer their customers enhanced IP service for an additional price.

**Invention Differences**

To our knowledge no cable internet service provider allows subscribers to establish QoS on a per-application basis. The only QoS-enabled service offering is currently telephony.

The following patent uses third-party Secured DQoS to generate a shared revenue stream:  
<https://www.google.com/patents/US20110314086>