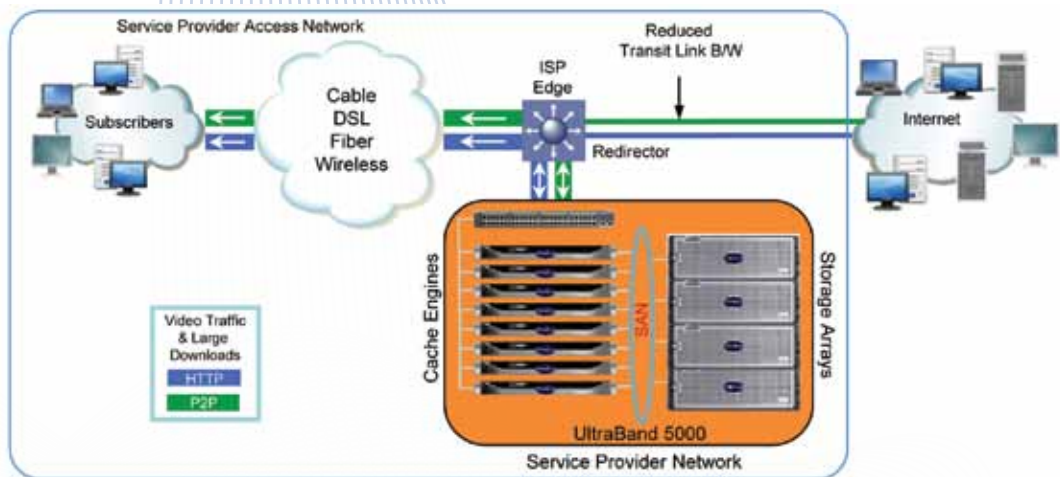


# CONTROL THE IMPACT OF NETFLIX AND INCREASE YOUR USER'S QUALITY OF EXPERIENCE

Transparent Internet Caching with PeerApp's UltraBand 5000 allows operators to reduce bandwidth and infrastructure costs while accelerating the delivery of video and large files to subscribers.

The carrier class product family cost-effectively scales to meet the needs of virtually any provider – from small-scale operators with a few thousand subscribers to large-scale network operators with over a million subscribers – leveraging cluster computing technology to support rapidly expanding multi-gigabit carrier networks.

PeerApp's patented technology eliminates transit Video, HTTP, and P2P traffic by caching popular content, plus it improves end-user QoE by delivering the content to the subscriber at "network speed" - the rate of the operator network – instead of passing on the delay of web servers and the Internet to subscribers. By offering superior end-user video experiences providers can deliver more competitive and successful services.



The UltraBand 5000 supports popular services and applications based on Video, HTTP and P2P protocols representing over 70% of all Internet traffic on an operator's network. The solution specifically supports Netflix, YouTube, Facebook and over the top video along with software updates from Microsoft and Apple, anti-virus programs such as Symantec, Kaspersky and McAfee and classic P2P protocols like BitTorrent.

Implementing the UltraBand transparent Internet cache in the network allows:



- A 4x to 10x increase in download speeds for subscribers
- Savings of 25% to 40% of transit bandwidth
- Visibility and reporting on the traffic most effecting network growth

Take control of the bandwidth growth curve and your network growth while providing a better subscriber experience.



**For more information on these products as well as TVC's customized engineering solutions, on-site technical training and support, contact us at 800-233-7600 or 800-847-9473.**

TVC Communications 130 Industrial Drive Chambersburg PA 17201 [www.tvcinc.com](http://www.tvcinc.com)

# AVOID BROADBAND "BILL SHOCK" WITH TIMELY IN-BROWSER NOTIFICATIONS

## Metered Billing is Here

The adoption of metered billing for Internet Services has created an urgent need to proactively alert subscribers who are approaching usage limits. That need is fueled by the FCC's recent endorsement of metered billing as a business model and its mandate for "transparency," urging that information be "timely and prominently disclosed in plain language."

PerfTech, the industry leader for time-critical subscriber communications, provides this transparency.

## PerfTech's Bulletin System

Bulletin System allows providers to deliver targeted, scheduled messages—that inform, alert, or promote—directly to the subscriber's browser screen. Here are just a few reasons why 5 of North America's top MSOs selected PerfTech:

- Verification: Each delivery is verified, time-stamped and logged.
- Performance: Providers enjoy zero-latency performance across up to 30M simultaneous deliveries.
- Security: All components reside fully within the provider's network. No external systems, no hosted services.
- Easy, subscriber opt-out: PerfTech's multi-level opt-out is immediate and permanent, even across IP-address changes. Cookies are not used.
- Completely automated: Everything from generating the alert, setting the schedule, and



**PERFTECH**

delivery/verification – set it up and let it run.

Bulletin System is currently deployed to over 6M subscribers in North America and Europe, and has delivered hundreds of millions of usage alerts over the past 5 years.

## MOTOROLA'S 1GHZ SOLUTIONS



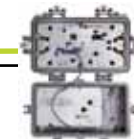
GX2 High Density Headend Optics



SG4000 Segmentable Optical Node



BT Node/Amplifier



MB Node/Amplifier



BLE Node/Amplifier

Taps & Passives

Contrary to what you may hear – RF is not dead!

- RF amplifiers/products are still in Demand
- Market is still driving HFC capacity upgrades.

TVC Communications will help you

navigate these technologies, ensuring you meet your communications goals.

TVC is an authorized stocking distributor of Motorola BAN products. If an off-the-shelf product doesn't fit your application, TVC technicians will custom configure the product to your unique requirements.

TVC's dedicated Motorola Product Managers will work with you to answer your questions and design a solution to deliver reliable broadband services to your customers.

Call on us today.



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