



NEWS RELEASE

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Dyband Delivers Intelligent IP Traffic Management for the Government of Nunavut

OTTAWA, ONTARIO, CANADA (July 3, 2003)—Dyband, a supplier of IP traffic management solutions to service providers, governments and enterprises worldwide, today announced delivery of a multi-site IP traffic management solution to the Government of Nunavut.

Dyband product is being used by the Government of Nunavut to manage traffic dynamically and evaluate traffic conditions throughout the network topology, down to the level of individual subscriber, every 10 ms. When congestion is detected, transfer rates are immediately modified in the affected areas; when congestion is relieved, transfer rates return immediately to normal limits. By assessing and responding to traffic conditions every 10 ms, Dyband is able to rapidly toggle transfer rates between normal and congested limits, thus making full use of available bandwidth. Dyband also enhances the efficiency of the Government's Internet connection by reducing packet loss, thereby minimizing the need for packet retransmissions.

Industry Canada and Telesat have also provided Nunavut with 12.5Mhz of satellite transponder space to be used exclusively for program-specific traffic on the Nunavut Community Services Network, which connects schools, libraries, colleges and health centers throughout Nunavut. The Government of Nunavut is using Dyband to allocate bandwidth dynamically over this broadband connection and to segregate Public Benefits traffic from core government operations.

"We have a requirement to provide an effective and efficient distribution of core bandwidth, and to report to Industry Canada on how the dedicated Community Benefit bandwidth is being allocated." Said Rich Kimball, Senior Telecommunications Specialist, "We can't allow a single user or application to monopolize this critical resource. Dyband is enabling us to give all of our customers a high quality of service as well as provide real-time and historical reports to prove our methods are working."

"Dyband enables the Government of Nunavut's Informatics Services Branch to maximize throughput across one of their most expensive assets, the satellite link." said Tim Welch from Dyband, "Dyband's IPTM 2100 minimizes periods of congestion, reduces packet loss and retransmission requests, and allows as many as 30% more users to be placed on the same connection."

"Without Dyband, I don't believe we could fulfill our bandwidth delivery and reporting requirements" stated Kimball.

Dyband's 2100 IPTM intelligent traffic management solution enables access providers to control bandwidth consumption, by IP address, for up to 50,000 managed points-individual subscribers, groups, subnets, and/or gateways. Multiple allocation schemes (guaranteed, preferred, equitable, etc.) distribute available bandwidth across all managed points during both normal and congested conditions. By evaluating the bandwidth capacity/demand ratio 100 times per second, Dyband can dynamically shape individual and aggregate bandwidth usage based on traffic conditions, minimizing network congestion, reducing packet loss, and optimizing Internet backbone utilization. The 2100 also allows access providers to define and manage a virtually unlimited number of SLAs at distinct price points. And, it enables new visibility into bandwidth consumption, allowing operators to make real-time usage decisions, and gather comprehensive historical statistics for later analysis.

The Dyband 2100 IPTM solution is available today on Windows and Linux platforms, for more details please visit our website at <http://www.dyband.com>.

ABOUT THE GOVERNMENT OF NUNAVUT

Canada's newest territory encompasses nearly two million square kilometres, with nearly 29,000 residents living in 26 communities ranging in population from five to almost 6,000. Nunavut relies exclusively on satellite networks for its telecommunications needs. The Government is already using innovative approaches in the use of high-speed communications. By 2005, the Government intends to have broadband access available in all Nunavut communities. Located in the territorial capital of Iqaluit, additional general information may be obtained by telephone at (867) 975-6000, or via the Internet at www.gov.nu.ca.

ABOUT DYBAND CORPORATION

Dyband Corporation is a provider of unique IP traffic management software and solutions to multiple "last mile" narrowband and broadband access markets, such as the satellite, fixed wireless, wireline, cable and the corporate enterprise markets. Dyband enables Internet service providers, educational institutions, governments agencies and enterprise organizations to reduce operating costs and improve profit margins by gaining *absolute* control of bandwidth, allowing them to provide consistent, reliable access services while eliminating the need to provision bandwidth to meet peak demand. Dyband Corporation is headquartered in Ottawa, Ontario, Canada and can be reached via email at info@dyband.com or via the Internet at www.dyband.com.

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