



Broadband Forum Liaison To:

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From:

Gavin Young
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Liaison Communicated By: Barbara Stark, AT&T, barbara.stark@att.com

Date: May 28, 2010

Subject: Broadband Forum Residential Gateway Requirements

The Broadband Forum has published Issue 2 of TR-124 “Functional Requirements for Broadband Residential Gateway Devices”, and would like to share this document with the IETF at this time. Issue 2 was specifically intended to incorporate IPv6 requirements. We would like to point out that the various requirement sections are independent modules, and service providers use this document by identifying which modules they want to incorporate into a residential gateway to meet the needs of their customers and their access networks architecture. There is no expectation that a single device would support all modules.

We have now opened the document for contributions to an Issue 3. We welcome comments from IETF members on any elements of this document that they consider inaccurate or in need of updating. We are currently hoping to close this comment and contribution period by December 2010.

We would also like to mention that there are several areas of IETF work that we are following with interest and are looking forward to seeing published RFCs. TR-124i2 contains references to several working group drafts. We expect to update these references as soon as these documents are published. Some IETF efforts that are of special interest to us include:

- Basic IPv6 CE Router Requirements
- Advanced IPv6 CE Router Requirements
- “Simple Security” and more advanced IPv6 firewall recommendations
- DS-Lite Specifications
- 6rd Specifications
- IPv6 multi-homed premises (where the CE router or host is connected to more than one IPv6 service provider); for example, as described in <http://tools.ietf.org/html/draft-troan-multihoming-without-nat66-00>. Individual technical issues are source address selection policy distribution, route information distribution, and DNS selection policy distribution.
- Updated best current practices for IP address selection (and possibly interface selection), among all IPv4 and IPv6 addresses
- Better and more comprehensive guidance (around all aspects of establishing IP connectivity between IP endpoints) so that CE devices are consistent and “just work” as

users expect them to would be very beneficial. Recommendations for simultaneously trying multiple ways to do the same thing and error handling and time-outs would be useful.

We are encouraging our membership to participate in these discussions, and look forward to continued interaction between BBF and IETF.

Sincerely,

Gavin Young
Broadband Forum Technical Committee Chair

CC:

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Date of Upcoming Broadband Forum Meetings

DATES	LOCATION
20 th – 24 th September, 2010	Hong Kong, China
6 th – 10 th December, 2010	San Francisco, USA

Note: A list of upcoming meetings can be found at <http://www.broadband-forum.org/meetings/upcomingmeetingsataglance.php>

Attachments:

TR-124i2 *Functional Requirements for Broadband Residential Gateway Devices, Issue 2*