

Broadband Forum Liaison

IETF78

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What is the Broadband Forum?

- **Broadband Forum TR-124bis “Functional Requirements for Broadband Residential Gateways”**
 - Requirements for IPv6oE and PPPoE (IPv6) for a RG
- **Broadband Forum WT-177 “Migration to IPv6 in the context of TR-101”**
 - Focus on the support of IPv6 over Ethernet in a TR-101 access/aggregation network
 - Scope and outline accepted
- **Broadband Forum TR-187 “IPv6 for PPP DSL Access”**
 - Focus on the migration to IPv6 in an architecture that does not impact the access/aggregation network
 - Published Technical Report



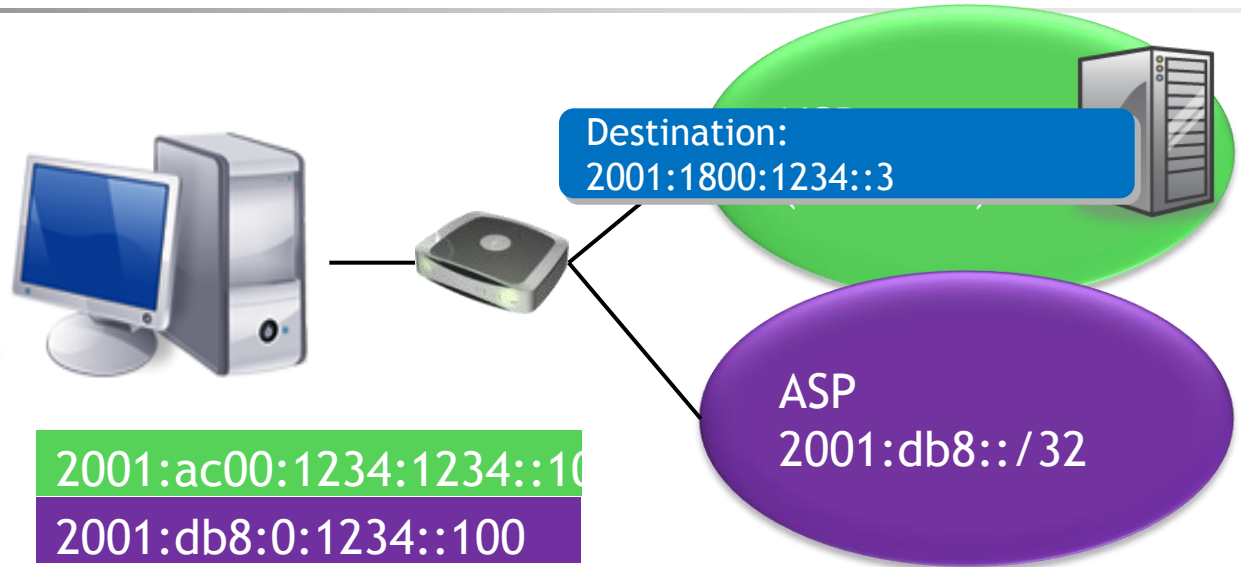
The liaison

<https://datatracker.ietf.org/liaison/922/>

- TR-124 Issue 2 published – Functional Requirements for Broadband Residential Devices
- References a number of in-progress WG drafts
- Issue 3 in the works - Comments by December 2010
- Comment on v6ops mailing list

Source Address Selection (Hosts + RG)

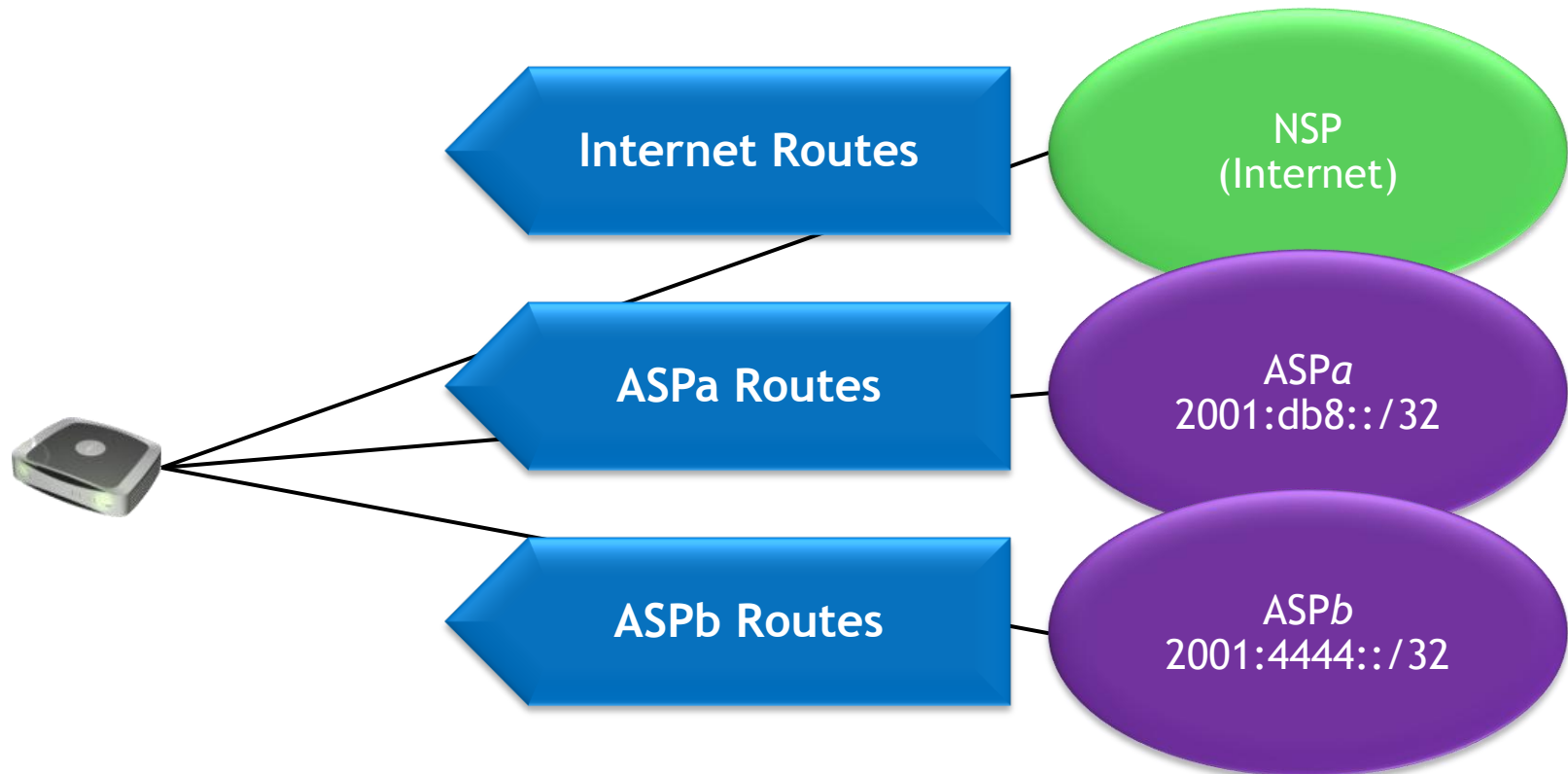
Prefix	Precedence	Label
::1/128	50	0
::/0	40	1
2002::/16	30	2
::/96	20	3
::ffff:0:0/96	10	4
2001::/32	5	5



Source	Source Label	Destination	Destination Label
2001:ac00:1234:1234::100	1	2001:1800:1234::3	1
2001:db8:0:1234::100	1	2001:1800:1234::3	1



Route Selection (RG)



Prefix	Next-hop
::/0 (default)	NSP
2001:db8::/32	ASPa
2001:4444::/32	ASPa

DNS Server Selection

- “A user can resolve a FQDN from the qualified ASP’s DNS server(s).”
 - Domain Name can be used to represent “qualification”.
 - An ASP can have multiple DNS servers and Domain Name.
 - For NSP’s case , an ASP can be qualified for ANY domains.

DNS Server	Domain Name
2001:db8:1::53 fd00:1:1:1:1::53	[ANY]
2001:db8:2::53	.myasp.com, .myasp.net

