

# draft-geib-tsvwg-diffserv-intercon

## IETF 89, London

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Scope: Interconnection between DiffServ enabled carrier networks.

DiffServ Intercon supports classification of IP packets by the DSCP Aggregation Prefix (bits 0-2). DSCP bits 4-6 may be ignored. This enables operation of IP over MPL/Ethernet domains with consistent QoS behaviour. An IP domain can operate commodity DiffServ by the same scheme.

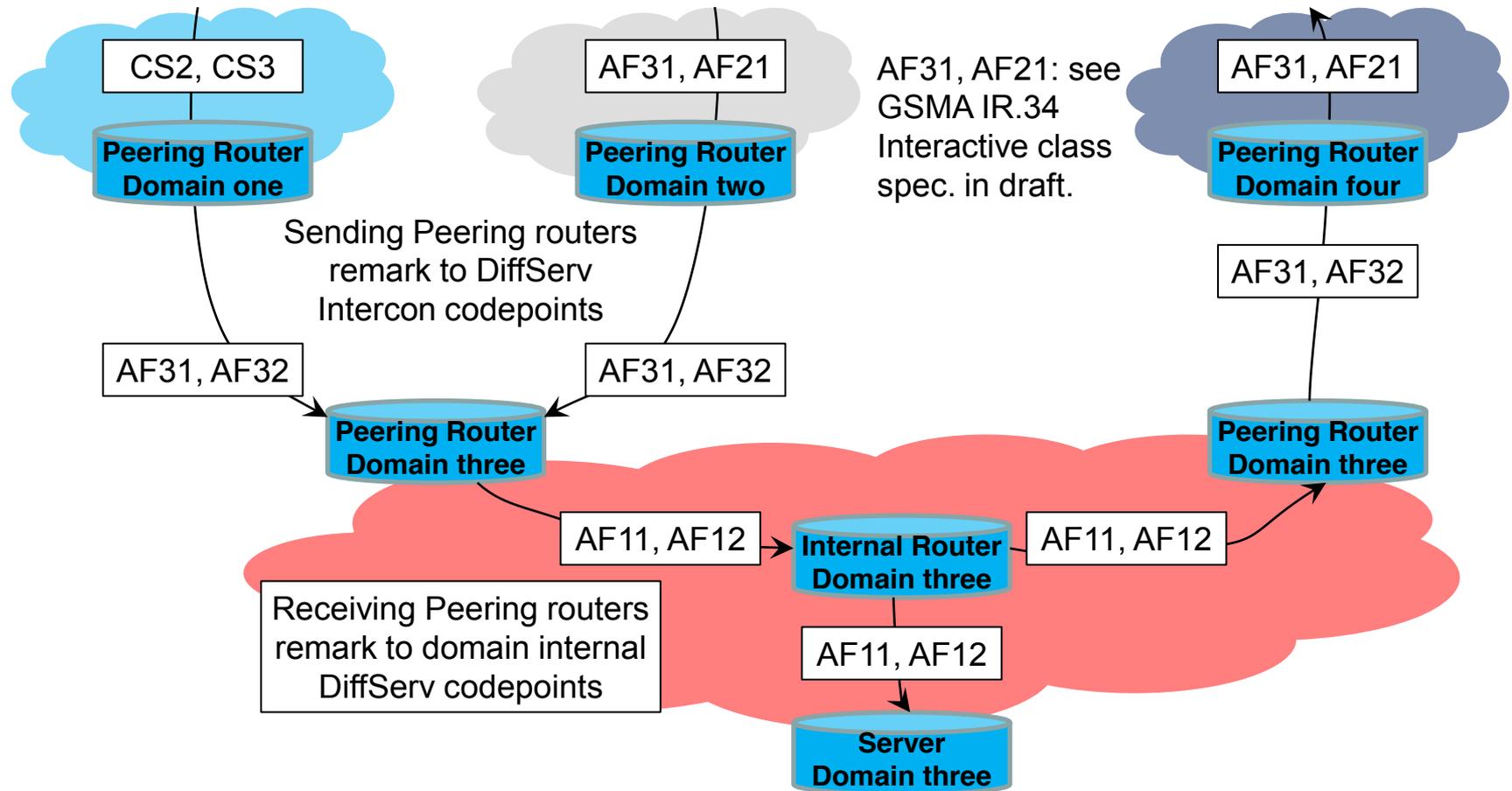
DiffServ Intercon proposes to deploy 4 defined DSCP precedence classes with well defined DSCPs at interconnection points. The sender remarks to this DSCP scheme and the receiver classifies based on it.

This avoids per interconnection partner class and codepoint mapping negotiations. DiffServ Intercon suggests a reasonable number of PHBs offering properties which are often requested.

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An example for the data optimised class „Assured“



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Proposed Network Control traffic treatment

Treatment of Network Control (NC) traffic marked CS6 at interconnection links (text improved, but not yet agreed with IDR WG):

- An IP carrier may limit access to the PHB used for NC to his domains own NC traffic.
- an SLA specifying treatment of CS6 marked traffic at intercon is recommended.
- traffic is classified as Network Control by both interconnecting domains: maintain CS6 mark.
- traffic is classified as Network Control only by sending domain: remark to proper QoS class.
- all other traffic: remark to Best Effort or drop.

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### Next Steps

Aim: Informational RFC

Version -05 of the draft has been shortened and is focused on DiffServ Interconnection. Also relation to other standards related to DiffServ classes, codepoints and interconnection has been clarified.

- please provide feedback if DiffServ Interconnection is relevant for your work.
- wait for the Inter Domain Routing WG feedback related to Network Control traffic treatment.

If both are positive, make this a TSV WG draft.