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B. Rijsman
Juniper Networks
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BFD Down Subcode for BGP Cease Notification Message
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Abstract

This document defines a new "BFD session down" subcode for the BGP Cease NOTIFICATION message.

1 BFD session down subcode

A new subcode with value 9 and symbolic name "BFD Session Down" is defined for the Cease NOTIFICATION message in addition to the existing subcodes defined in [RFC4486](#) [2].

If a BGP speaker decides to terminate its peering with a neighbor because its BFD [3] session to that neighbor went down then the speaker SHOULD send a NOTIFICATION message to the neighbor with the error code cease and the error subcode "BFD session down". The NOTIFICATION message SHOULD have no data.

2 IANA considerations

As specified in [RFC4486](#) [[2](#)] the "BFD Session Down" subcode is assigned using the Early IANA Allocation process defined in [RFC4020](#) [[1](#)] which requires an Internet Draft that is proposed as Standards Track.

3 Security consideration

This extension to BGP does not change the underlying security issues inherent in the existing BGP.

4. References

- [1] Kompella, K. and A. Zinin, "Early IANA Allocation of Standards Track Code Points", [RFC 4020](#), February 2005.
- [2] Chen, E. and V. Gillet, "Subcodes for BGP Cease Notification Message", [RFC 4486](#), April 2006.
- [3] Katz, D. and D. Ward, "Bidirectional Forwarding Detection", I-D [draft-ietf-bfd-base-05.txt](#), April 2006.

Author's Address

Bruno Rijsman
Juniper Networks
10 Technology Park Drive
Westford, MA 01886
USA

Email: brijsman@juniper.net

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