RFC 4379bis
draft-ietf-mpls-rfc4379bis

IETF 96, Berlin

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Objective and Scope

- Email from Loa: “preparing draft-ietf-mpls-rfc4379bis for working group last call”
  - There are many updates to RFC 4379, and we want to capture as many of these updates as possible
  - "Intended Status" to Proposed Standard (PS). At the same we'd like the authors to work closely (after publication of the PS) with the wg and the wg-chairs to verify when we have met the criteria to make the document an Internet Standard."

Draft Journey

- Updates to all references and citations.
  - Obsoleted RFCs 2434, 2030, and 3036 are respectively replaced with RFCs 5226, 5905, and 5036.
  - Updated documents published as RFCs: RFCs 4447, 5085, and 4761.
- Incorporate all outstanding Errata.
  - Erratum with IDs: 108, 1418, 1714, 1786, 3399, 742, and 2978.
- Replace EXP with Traffic Class (TC), based on the update from RFC 5462.
- Incorporate the updates from RFC 6829, adding the PW FECs advertised over IPv6.
- Incorporate the updates from RFC 7506, adding IPv6 Router Alert Option for MPLS OAM.
- Accepted as Work Group document.

Since Buenos Aires

- Incorporate newly defined bits on the Global Flags field, from RFC 6425 and RFC 6426.
- Update the IPv4 addresses used in examples to utilize the documentation prefix. Add examples with IPv6 addresses.
- Incorporate the updates from RFC 6424, by deprecating the Downstream Mapping TLV (DSMAP) and adding the Downstream Detailed Mapping TLV (DDMAP), updating two new return codes, updating the procedures, IANA section, Security Considerations, and obsoleting RFC 6424.
- Incorporate the updates from RFC 7537, by updating the IANA Considerations Section, and obsoleting RFC 7537.

Next Steps

- Ready for WGLC ☺
- A number of I-Ds reference RFC 4379:

  https://datatracker.ietf.org/doc/rfc4379/referencedby/

Thank you!

Questions/Comments?