Ethernet Traffic Parameters with Availability Information

draft-ietf-ccamp-rsvp-te-bandwidth-availability-04

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Ethernet Traffic Parameters with Availability Information

- Changes from -03 version: address the comments from the list
  - Removed the Extended Ethernet Bandwidth Profile TLV 2.
  - Define the Availability TLV as a TLV of Ethernet SENDER TSPEC object
    - using the index field to associate with corresponding Ethernet Bandwidth Profile TLV. The relationship between Ethernet Bandwidth Profile TLV and Availability TLV are n:n, or n:1.

<table>
<thead>
<tr>
<th>Time Slot 0</th>
<th>Time Slot 1</th>
<th>Time Slot 2</th>
<th>Time Slot 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td>2</td>
<td>3</td>
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<td>6</td>
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<tr>
<td>8</td>
<td>9</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>
| +----------------+----------------+----------------+----------------+
| Index           | Reserved        | availability   | Availability TLV definition |
| +----------------+----------------+----------------+----------------+

Availability TLV definition
Changes from 03 version

03 version

+ Ethernet Sender T-spec Object
  ++ EXISTING Ethernet bandwidth profile TLV (type 2)
  ++ Extended Ethernet bandwidth profile TLV
    //(e.g. type 4 - used instead of type 2 when availability is needed)
  +++ availability sub-TLV of the Extended Ethernet bandwidth profile TLV

04 version

+ Ethernet Sender T-spec Object
  ++ EXISTING Ethernet bandwidth profile TLV (type 2)
  ++ availability TLV to be used in conjunction with the type2 TLV when needed.
    using the index field to associated with corresponding Ethernet Bandwidth Profile TLV.
Examples

Example 1: Ethernet Bandwidth Profile TLV and Availability TLV are n:n.

+ Ethernet SENDER_TSPEC
  ++ Ethernet BW TLV index=1
  ++ Ethernet BW TLV index=2
  ++ Availability TLV index=1
  ++ Availability TLV index=2

Each Ethernet BW TLV is corresponding to a Availability TLV.

Example 2: Ethernet Bandwidth Profile TLV and Availability TLV are n:1.

+ Ethernet SENDER_TSPEC
  ++ Ethernet BW TLV index=1
  ++ Ethernet BW TLV index=2
  ++ Availability TLV index=0

All Ethernet BW TLV are corresponding to the same Availability TLV (having the Availability requirement).
Next steps

• The authors believe the draft is stable
• Would like to ask for WG LC
OSPF Routing Extension for Links with Variable Discrete Bandwidth

draft-ietf-ccamp-ospf-availability-extension-04.txt

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OSPF Routing Extension for Links with Variable Discrete Bandwidth

• Just editorial changes in 04 version
  – Deleted “section 3.1 Interface Switching Capacity Descriptor”, as it’s fully aligned with RFC4203
  – Remove the restriction on Switching Capability. Deleted “The Switching Capability field MAY be PSC-1, LSC”
Next steps

• The authors believe the draft is stable
• Would like to ask for a joint WG LC between CCAMP and TEAS