OAM for Deterministic Networks with MPLS Data Plane

draft-ietf-detnet-mpls-oam

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Update

• Welcome new co-authors Janos Farkas and Balazs Varga
• Updated d-ACH definition
• Detailed the Flags field and related IANA registry
d-ACH

- DetNet Associated Channel Header (d-ACH)
  - First nibble: MUST be 0b0001
  - Version = 0x1 (thus d-ACH is different from PW ACH)
  - Sequence number: OAM session specific
  - Channel Type: DetNet Associated Channel Type
  - Node ID: Originator node
  - An active DetNet OAM packet MUST include d-ACH immediately following the S-label.
Flags field and IANA registry

• Flags – is a five-bits field. Flags field contains five one-bit flags.

```
0 1 2 3 4
+-------+
| U | U | U | U | U |
+-------+
```

U: Unused and for future use. MUST be zeroed on transmission and ignored on receipt

• IANA is requested to create a new DetNet MPLS OAM Flags registry as follows:

<table>
<thead>
<tr>
<th>Bit</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-7</td>
<td>Unassigned</td>
<td>This document</td>
</tr>
</tbody>
</table>
Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated
- WG LC?

Thank you!