Carrying a Generic Identifier in IPv6 packets

draft-iurman-6man-generic-id-00

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Why?

New code points (HBHs & DOs) for similar use cases (i.e., carry an ID):

- [I-D.draft-ietf-6man-enhanced-vpn-vtn-id]
- [I-D.draft-li-6man-topology-id]

Concerns:

- quickly wasting code points
- not generic enough

Anticipate? Situation in 5, 10, 20 years?
Solution 1: Generic ID Option

Pros:
• generic (= ID container)

Cons:
• too generic?
• no context
Solution 2: Generic Context-ID Option

<table>
<thead>
<tr>
<th>00 0 TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option Type</td>
</tr>
<tr>
<td>-----------------------</td>
</tr>
<tr>
<td>Context-Type</td>
</tr>
<tr>
<td>-----------------------</td>
</tr>
<tr>
<td>Context Data (variable length)</td>
</tr>
</tbody>
</table>

**Pros:**
- context
- sub-registry

**Cons:**
- sub-registry
Discussion

Both solutions? Either? None?