A Routing Header Dispatch for 6LoWPAN

draft-thubert-6lo-paging-dispatch

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Separated draft-ietf-6lo-paging-dispatch
Paging Dispatch remains at 6lo, now in last call
Routing Dispatch moved to ROLL, now in last call
Pages are delimited in a 6LoWPAN packet by a Paging Dispatch value that indicates the next current Page. The Page Number is encoded in a Paging Dispatch with the Value Bit Pattern of 1111xxxx where xxxx is the Page Number, 0 to 15, as described in Figure 1:

```
0
0 1 2 3 4 5 6 7
+-+-+-+-+-+-+-+
|1|1|1|1|Page Nb|
+-+-+-+-+-+-+-+
```

Figure 1: Paging Dispatch with Page Number Encoding.
User: 6LoRH, but extensible

<table>
<thead>
<tr>
<th>Page 1</th>
<th>type 5</th>
<th>6LOWPAN-IPHC</th>
<th>(ICMP)</th>
<th>(no compression)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+...</td>
<td>+...</td>
<td>++</td>
<td>+</td>
<td>+------------------</td>
</tr>
<tr>
<td>11110001</td>
<td>RPI-6LoRH</td>
<td>NH = 0</td>
<td>NH = 58</td>
<td>ICMP message</td>
</tr>
</tbody>
</table>

<=>

IPv6 header
HbH header  RPL option
ICMP header
ICMP Payload

RFC 6282
No RPL artifact
Updates
IANA section fixed
Todo: restore Robert’s name on author list