draft-ietf-6tisch-6top-sfx-01

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Changes

• Editorial changes:
  • Replaced references from SF0 to SFX
  • Removed temporary sections
  • Corrected typos and style on expressions
Changes

- **Modified command response list:**
  - **RC_EOL:** If an LIST command is issued and the RC_EOL is received, the node MUST understand what is specified on Section 3.3.5 of [I-D.ietf-6tisch-6top-protocol]. *(New)*
  - **RC_ERR_SEQNUM:** The node MUST issue a CLEAR command to the neighbor. *(Replaces GENeration)*
  - **RC_ERR_CELLLIST:** Wait for a timeout and restart the scheduling *(New)*
  - **RC_ERR_LOCKED:** Wait for a timeout and restart the scheduling process. *(New)*
  - **RC_RESET:** Abort 6P Transaction. *(Replaces RC_ERR_RESET)*
Changes

• Completed section: Security Considerations
  SFX is defined as an algorithm designed to efficiently fulfill bandwidth requirements between neighbour nodes and does not define a new protocol. SFX uses the Minimal IPv6 over the TSCH Mode of IEEE 802.15.4e (6TiSCH) Configuration standardized on [RFC8180] and the 6top Protocol (6P): [I-D.ietf-6tisch-6top-protocol]. SFX relies on the security framework described on [I-D.ietf-6tisch-minimal-security].
Changes

17.1. SFX Scheduling Function Identifiers

This document provides a new element to the "6P Scheduling Function Identifiers" sub-registry, which is part of the "IPv6 over the TSCH mode of IEEE 802.15.4e (6TiSCH) parameters" registry, as defined by [I-D.iotf-6tisch-6top-protocol]. This Subtype is defined on Figure 5.

<table>
<thead>
<tr>
<th>SFID</th>
<th>Name</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>IANA_6TISCH_SFID_SFX</td>
<td>Experimental Scheduling</td>
<td>RFCXXXX</td>
</tr>
<tr>
<td></td>
<td>Function (SFX)</td>
<td>(NOTE:this)</td>
</tr>
</tbody>
</table>

Figure 5: IETF IE Subtype '6P'
Next steps

• Address issues proposed by Lotte Steenbrink on the ML
• Request to candidate the draft for WGLC