

# 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.ietf-6tisch-6top-protocol]. This Subtype is defined on Figure 5

| SFID                 | Name                                   | Reference               |
|----------------------|--|-------------------------|
| IANA_6TISCH_SFID_SFX | Experimental Scheduling Function (SFX) | RFCXXXX<br>(NOTE: this) |

Figure 5: IETF IE Subtype '6P'

# Next steps

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