



draft-ietf-6tisch-6top-sfx-00

Authors: Diego Dujovne (Ed.)
Luigi Alfredo Grieco
Maria Rita Palatella
Nicola Accettura

Status



- This work continues **On-The-Fly Scheduling** and **Scheduling Function Zero (SF0)**.
- On-The-Fly Scheduling had **full experimental results published**, but the migration to Scheduling Function Zero modified requirements, so new results were needed.
- This follows the recommendations from last 6tisch meeting @ IETF99:
 - **Resubmit SF0 as Experimental** (so the name SFX)
 - We provide a **list of requested experimental results** to establish a range of values for a number of different parameters.

Experimental requirements

- Define values for **OVERPROVISION**, **SF0THRESH** and ranges to the number of cells to Add or Delete after the Allocation Policy is applied for typical use cases.
- Analyze the **scheduling stability** (in terms of oscillation) and the hysteresis effect on scheduling using SFX. A tradeoff shall be found between the reactivity of the algorithm facing new scheduling requirements and the number of overprovisioned cells.

Experimental requirements

- Define the **PDR value below the Average which is most effective for blacklisting cells** and a method to whitelist cells. Analyze the stability and long-term behavior of this algorithm.
- Measure the **distribution of cell scheduling delay** (including the time taken by 6P) to estimate timeouts for different type of transactions

Review and future

- SFX had a detailed review by Xavi in May (before IETF99) and the corrections were submitted into sf0-05.
- Then, the only remaining changes came from the comments from IETF99.
- **Is it ready for WGLC?**