**NPIF – *Giddy Up Sub Team***

Monday, March 27, 2023 2:00 PM – 3:00 PM (Eastern Time Zone)

**Chairpersons:**

*Cheryl Fullerton (Sinch), Joy McConnell-Couch (CenturyLink/Lumen)*

**Meeting Attendance** *– – 13 Participants*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Name** | **Company** |  | **Name** | **Company** |
|  | Lisa Marie Maxson | 10xPeople |  | Krishnan Shanmugavel | iconectiv |
| X | John Nakamura | 10xPeople |  | Doug Babcock | iconectiv |
|  | Sara Cleland | ATL |  | Ken Bade | Lumen |
| X | Shawyna Hanes | AT&T | X | Joy McConnell-Couch | Lumen |
| X | Renee Dillon | AT&T |  | Brad Smeal | Lumen |
|  | Teresa Patton | AT&T | X | Jim Kientz | Neustar |
|  | Larry Turner | AT&T | X | Sreetal Brahmadevaiah | Neustar |
| X | Sheri Pressler | Frontier | X | Steve Brock | Oracle |
| X | Cheryl Fullerton | Sinch Voice |  | Holly Nagel | Powernet |
|  | Donna LaFontaine | Sinch Voice |  | Bob Bruce | Syniverse |
| X | Renee Berkowitz | iconectiv |  | Tessa Whiteside | Telnyx |
| X | Michael Doherty | iconectiv |  | Sarah Halko | Telnyx |
|  | Darold Hemphill | iconectiv |  | Bale Pathman | Verizon |
| X | Steve Koch | iconectiv |  | Deb Tucker | Verizon |
| X | Matt Timmerman | iconectiv |  |  |  |

**PIM 136 – LSMS Performance**

**Requirements that need to be updated or addressed**

* Range requests
* Option A: Each TN in a SOA request or notification constitutes a transaction. For example, a SOA range request with 10 TNs is 10 transactions.
* Option B: For notifications, the number of SOA transactions is determined by the ceiling of (the total number of TNs in the notification divided by *X*). For requests, the number of SOA transactions represented by a single range request is determined to be the greater of
  + the ceiling of (the total number of TNs in the request divided by *X*). For example, if *X* is 5, then a range request with 10 TNs is 2 SOA transaction and a range request with 106 TNs is 22 SOA transactions
  + the number of download messages sent to all LSMSs divided by the number of LSMSs (i.e., the average number of download messages per LSMS).
* Option C: Range requests count as 1 transaction unless they involve multiple message to LSMS, in which case the average download message per LSMS is the effective transaction count.
* **The group agreed to move forward with Option B.**
* Relationship between SOA and LSMS transactions
  + Option A: Update the SOA transaction aggregate requirement to address two distinct scenarios.
    - The first scenario is for requests that do not generate downloads (e.g., SV create request, cancel request, modify pending request, query request, etc.) to LSMSs and for notifications to SOAs
    - The second scenario is for requests that do generate downloads (i.e., activate, modify active, disconnect) to LSMSs
    - Modify the aggregate transaction requirement (currently 70/sec) to be the sum of both scenarios with a condition that the transaction rate for the second scenario does not exceed the LSMS required rate (currently 7/sec). Using the current numbers, this update would state that NPAC is required to support 70 SOA transactions per second of which 7 are requests that result in LSMS downloads.
  + Option B: Update the SOA transaction requirements to indicate the NPAC is not held to them when the LSMS transaction rate exceeds the defined rate (in aggregate or per LSMS).
* **The group agreed to move forward with Option A.**

**Topics for next meeting:**

* Service Bureau / Primary SPID and its Secondary SPIDs
  + Option A: Clarify requirement wording to state that treatment of XML Primary SPIDs is identical to CMIP Primary SPIDs, as currently defined.
  + Option B: Remove per-SOA transaction rate requirement; only aggregate SOA requirement would remain.
* Delegate SPIDs
  + Option A: Leave CO 559 changes in place to limit quantity of delegates that can be used by a single Service Provider SPID but make no further changes.
  + Option B: Leave CO 559 changes in place but remove per-SOA transaction rate requirement; only aggregate SOA requirement would remain.
  + Notifications: GUST should be certain to account for notifications in overall transaction requirement numbers, including frequency with which notification suppression is utilized
* **Continued discussions regarding Service Bureau/Primary SPID & Secondary SPID and Delegate SPIDS. Would like to target selecting options for moving forward in the next call. May refer to attached cheat sheet.**



**Next Meeting: Monday, April 3, 2023 4:00-5:00 EDT**