**NPIF – *Giddy Up Sub Team***

Monday, December 04, 2023 2:00 PM – 3:00 PM (Mountain Time Zone)

**Chairperson:**

*Cheryl Fullerton (Sinch)*

**Meeting Attendance** *– 11 Participants*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Name** | **Company** |  | **Name** | **Company** |
|  | Lisa Marie Maxson | 10xPeople | X | Doug Babcock | iconectiv |
| X | John Nakamura | 10xPeople |  | Sreetal Brahmadevaiah | Transunion |
| X | Shawyna Hanes | AT&T | X | Deb Tucker | Verizon |
| X | Renee Dillon | AT&T | X | Sheri Pressler | Frontier |
| X | Cheryl Fullerton | Sinch Voice | X | Steve Koch | iconectiv |
| X | Renee Berkowitz | iconectiv | X | Matt Timmerman | iconectiv |
| X | Michael Doherty | iconectiv |  | Jim Kientz | Transunion |
|  | Tessa Whiteside | Telnyx |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**PIM 136 – LSMS Performance**

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

* **Revised GOAL:** Per NPIF, this discussion is back with GUST to review. “New Action Item - GUST (chairperson - Cheryl F) to work with SPs and LNPA on recommendations for remaining open issues in GUST recommendations “.

**12/4/2023 GUST Meeting Discussion:**

* Extensive discussion around the data and possible root causes of outages that seem to be related to large amounts of sustained traffic where the downstream systems are not able to keep up. There is nothing documented that explains to service providers what the limitations are downstream.
* Deb from Verizon noted that the original documentation needs to be reviewed and updated as it does not encompass the uses the NPAC is now utilized for – this has evolved over the last ten years.
* GUST is limited in moving forward on our recommendation to increase the transaction rate to 11 tps by apparent limitations of the ecosystem in terms of long term sustained transactions in the NPAC causing an increase in flow control events and subsequently causing downstream outages.
* The team discussed the viability of obtaining more specific information that could lead to a calculation as to how much sustained traffic can be managed for what period of time across how many regions, before LSMS’ are unable to come out of flow control and where the local and downstream systems/components cannot handle the volume. The LNPA can provide additional data but it does not know the specifics of what caused the local and downstream systems behind the SP LSMS’ to have difficulty keeping up (New AI – see below for details). Only the LSMS operators can provide that information. The group also discussed this as being part of a larger discussion that needs to take place regarding the ecosystem and extended uses and the possibility of the Architecture Planning Team (APT) reviewing the issue.
* At this time the group still needs to drill down the details on how to move forward with calculating transactions related to Primary SPID and its Secondary SPIDs, and the treatment of Delegate SPIDs and will focus on those two items in our next meeting and will bring up the issue of ongoing large amounts of sustained traffic seems to be causing issues with local and downstream systems resulting in end user outages at the monthly NPIF meeting for additional direction.
* SPs reiterated that some providers have regulatory obligations to maintain certain transaction rates and inability to handle the transaction rate could result in financial impacts to those SPs.

**Action Items:**

* SPs were asked to provide additional data on impacts to their local and downstream systems with the understanding that the ability for SPs to obtain and provide that type of data is limited.
* SPs were also asked to provide their recommendations on how to move forward with calculating transactions related to Primary SPID and its Secondary SPIDs, and the treatment of Delegate SPIDs.

**Next Meeting: Monday, December 11, 2023, 2:00-3:00 PM MST**