**NPIF – *Giddy Up Sub Team***

Monday, November 27, 2023 2:00 PM – 3:00 PM (Mountain Time Zone)

**Chairperson:**

*Cheryl Fullerton (Sinch)*

**Meeting Attendance** *– 10 Participants*

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|  | **Name** | **Company** |  | **Name** | **Company** |
|  | Lisa Marie Maxson | 10xPeople | X | Doug Babcock | iconectiv |
|  | 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 |  |  |  |
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**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 “.

**11/27/2023 GUST Meeting Discussion:**

* Re-reviewed the updated data provided by iconectiv regarding the April-May-June timeframe (Please note time zone is GMT). This was to catch the group up on data and Business Needs that was previously reviewed.



* The bulk of the activity, 95%, was Type = Modify (64M/68M) and were originated from one provider. Clarification was provided on the difference between create and create/activates. Creates do not generate a download message but Create/Activates do generate download messages when the new record is activated. Network Migrations are changes or updates to an existing record in the NPAC and are typically Type = Modify. Network Migrations include LRN and feature changes like LIDB/CNAM etc.
* There was some discussion as to whether the initial testing done to increase the rates in 2010 had limitations on how many consecutive regions could run at the same time, but this could not be confirmed. These are two separate issues. We are currently at 7 tps and have been for over 10 years.
* Extensive discussion on network migrations and LSMS flow control versus LSMS down and the impact on the local systems
* Renee Dillon walked through the thought process and graphs she created from the transaction data provided by the LNPA, for the timeframe in question. The larger issue is the impact to ecosystem as a whole. Service providers appear to be going down after long periods of prolonged higher transaction rates rather than short duration spikes in the tps rate. A suggestion was made that this might be an item for the Architecture Planning Team (APT) to address.
* The team discussed the viability of obtaining more specific information that could lead to a definitive calculation for a general average as to how many transactions over how many regions for a given amount of time. Utilizing tps rate and duration correlated to Flow Control Events to determine an actual threshold where local systems go into flow control is very challenging due to the number of factors in local and downstream systems that contribute to a flow control event. The LNPA indicated that they can provide additional data, but they do not have insight into those events and why the local and downstream systems/components cannot handle the volume. That information would need to be provided by the SPs.
* New Action Item - SPs were asked to provide additional data/thoughts on impacts to their local and downstream systems.

**Action Items:**

* SPs are asked to provide additional data on the impact to downstream systems.

**Next Meeting: Monday, December 4, 2023, 2:00-3:00 PM MST**