

January 23, 2019

Editorial Board
IEEE Transactions on Networking

Dear members of the editorial committee:

The preliminary version of this paper has been published in proceedings of the 36th Annual IEEE International Conference on Computer Communications (INFOCOM), Atlanta, GA, May, 2017. The acceptance rate for this conference is 20.9%.

Although ToN does not require new technical content in addition to conference versions, this journal version significantly strengthens the previous conference version by adding new technical content and incorporating the feedback that we received from INFOCOM reviews. Of the numerous revisions that we made in the journal version, we highlight the following additions.

1. We added a new Section VII titled "Outage Impact Analysis". In this section we perform and in-depth analysis of two real cell tower outages. We analyze temporal and spatial impact of outages on M2M devices. We characterize the outages by looking at the activity and geographical location of M2M devices.
2. We added Figure 12 (b) that shows the heatmap plot of a second real cell tower outage. The plot quantifies the temporal impact of failed cell towers on M2M devices. We find that devices located in the same geographical region have different impact durations.
3. We added Figure 13 that shows the Voronoi cell diagrams of M2M devices locations in the 2D geographical plane. The plot shows the spatial distribution of M2M devices and the impact of failed cell towers on these devices.
4. We added Figures 14 to 17 that show different activity profiles of M2M devices during outages. We use these activity profiles to understand the variations in impact durations.

This submission is in compliance with the exclusive submission policy of ToN.

Please do not hesitate to email or call me should you have any questions or comments regarding this submission. Thank you very much for your consideration of our work.

Respectfully,

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