

4. Conclusion and Future work

The proposed schemes intend to highly scale up the functionality of Network Analytics in SON for cellular standards by incorporating new measurement quantities in the UE feedback which serve as the basis for enhancing network performance, coverage and capacity without human intervention thereby greatly alleviating the huge costs involved in O&M of the cellular networks. With the increased CAPEX for new RATs like 5G, the reduction on O&M is an important driver for keeping operators interested to maximize their return on investments. The theoretical ideas presented in this paper have to be applied to an implementation of SON using the ns-3 simulator to calculate quantified estimates of efficiency, effectiveness and ROI value.

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