



Enea Launches Session Congestion Manager to Boost 4G/5G Subscriber QoE

[RAY SHARMA](#)

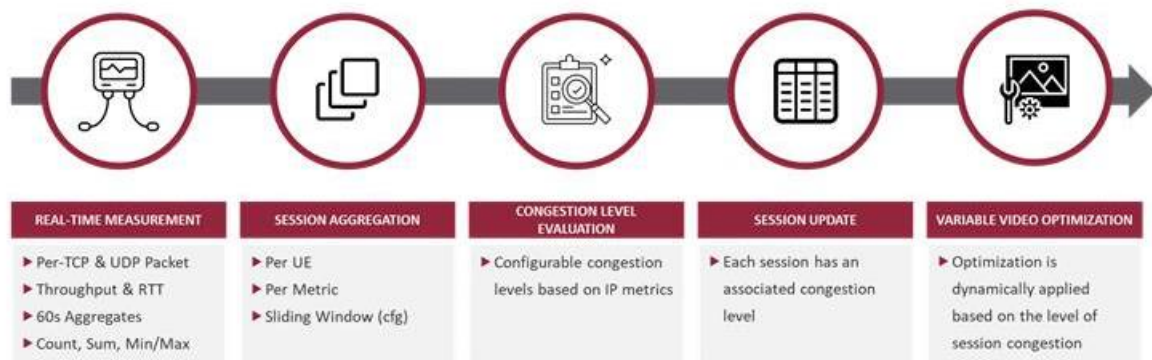


Image Credit: Enea

Enea last week launched [Session Congestion Manager \(SCM\)](#), the industry's first mobile optimization solution that can dynamically boost 4G and 5G subscriber Quality of Experience (QoE) for each individual user session.

Mobile operators can now deliver outstanding QoE with pinpoint accuracy to specific anonymized subscribers – before they experience congestion. Enea's proprietary algorithms identify specific sessions that require QoE improvement and deliver pre-emptive optimization. In this way, SCM reduces the number of congested cells by 15%, and creates additional Radio Access Network (RAN) capacity to deliver 25% more video – without mobile operators having to invest in new infrastructure, claims Enea.

[SCM](#) monitors multiple traffic and network parameters in real-time and creates a per-user session congestion score to take proactive and automatic remedial action based on its severity. By applying optimization to the whole individual session, SCM delivers network efficiency without requiring any control plane or RAN integration. This is a key consideration for operators who want to maximize their existing 4G infrastructure while prioritizing 5G investments.

SCM is part of Enea's Congestion Management solution suite that also supports cell-based congestion detection using proprietary machine learning technology. SCM has already been deployed by EMEA mobile operators to maximize their 4G network and boost QoE.

Importantly, SCM fiercely combats the darkening of networks providing critical visibility to cut through encrypted traffic flows in real time. It intelligently adjusts encrypted Adaptive Bitrate videos to reduce impact on the RAN – so subscribers benefit from consistent video quality.

Roland Steiner, SVP of Enea's Telecom Business Unit

Operators are busy investing and priming their 5G deployments, but 4G will do much of the heavy lifting for years to come – so operators need to sweat their 4G assets. Traditional traffic management solutions react to signs of congestion on a per-flow basis.

Gorkem Yigit, Principal Analyst at Analysys Mason

4G networks will still carry more than half of the world's mobile traffic in 2024. Operators will need to squeeze more from their 4G networks to get some breathing space while they ramp up on 5G. Meanwhile, video is on track to be nearly three-fourths of mobile network traffic by next year.