

Enea Introduces Session Congestion Manager (SCM)



[Aishwarya Saxena](#) September 30, 2021

Enea has introduced 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 user session.



Mobile operators can now deliver outstanding QoE with pinpoint [accuracy](#) to specific anonymized subscribers – before they experience congestion.

Roland Steiner, Senior Vice President of Enea's telecom business unit said: "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. We use additional intelligence to manage congestion consistently through the user session and help operators manage subscribers' insatiable appetite for video."

Gorkem Yigit, Principal Analyst at Analysys Mason said: "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. That means mobile operators must provide a consistently great video [experience](#) over existing infrastructure, or risk losing customers — and money."

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.

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 the impact on the RAN – so subscribers benefit from consistent video quality.