



# Next Generation Auditing for Mobile Networks

**Is your 3G/4G network fit for purpose?**

**Are you losing new revenue opportunities to OTT service providers?**

**Are you confident your security will prevent a security breach?**

Mobile data traffic is growing globally at **69%\*** per year. This data explosion is making mobile networks a critical and complex resource, as both subscribers and businesses rely heavily on data products. The next generation audit solution from Spry Fox Networks ensures your network fit for purpose, secure and can handle new services.



## **Silo Management:**

Increased mobile network complexity requires network management to be divided between different groups and management silos. These silos make it extremely costly, time consuming and prohibitive to understanding the true network quality, to debug end to end network issues and to implement new services.

## **All this leads to:**

- **Increased Churn rates (of up to 37%\*\*)** due to poor network/service performance, increased downtime and poor subscriber Quality of Experience, QoE.
- **Increased OPEX** due to teams of specialists in silos trouble-shooting and monitoring networks without the overall end to end picture of the networks performance
- **Reduced Revenue** due to slow implementation of new innovative services being lost to Over the Top service providers
- **Reduced Quality of Security, QoSec**, due to a lack of scenario testing of network edge security and how your procedures will cope

## **E2E Auditing is Key**

It is becoming increasingly clear that a comprehensive end to end audit by experts who scrutinize the mobile network's data and security performance or readiness for new revenue service is critical. Traditional consultancies only analyse the network drive test results, KPIs and alarms. Spry Fox Networks goes beyond this and measures subscriber QoE, QoSec and new service readiness across the whole network using our own product: [QuantumPath](#)

## **Spry Fox Networks Audit is the Complete Solution!**

No other consultancy can provide this level of end to end scrutiny. QuantumPath allows Spry Fox Networks to:

- Quickly detect and isolate complex end to end network performance issues
- Verify that your network is ready for a new service delivery
- Verify if your network edge security and procedures will prevent a security breach

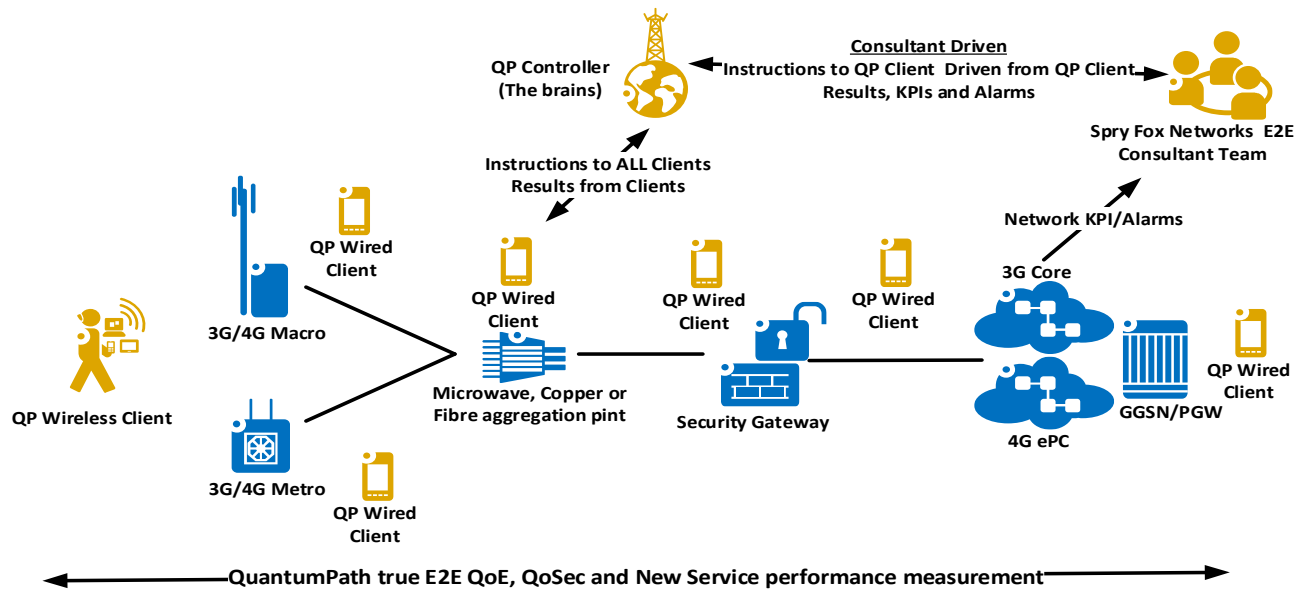
## How Does QuantumPath Help?

QuantumPath is specialised software and hardware deployed as a mobile application on a smart phone (QP wireless clients) and in the mobile core network (QP wired clients).

QP wireless clients run on smart phones and allow QuantumPath to analyse the 3G and 4G air interface performance. QP wired clients simulate the mobile applications by emulating the eNodeB, smart phone and application to analyse the backhaul & core network.

This allows QuantumPath to make a mobile initiated call anywhere in the wireless or wired network so the true E2E path is established and analysed.

QuantumPath will then run through a tailored audit routine for the specific operator to discover QoE, QoSec & new service readiness issues:



QuantumPath audits the wireless and wired mobile infrastructure 24 hours a day, 7 days a week allowing continuous analysis of the network.

Spry Fox Networks consultants examine network KPIs and alarms and use these to run further optimizations using QuantumPath. If wireless or wired network analysis is required then QuantumPath is used to test the E2E effect to ensure network stability. This feedback loop allows Spry Fox Networks to quickly resolve multiple issues in a network with no disruption

## The Benefits

Auditing next generation mobile networks needs to change to match the network complexity. Maybe it's time to look for a company that understands and solves your E2E issues. The benefits of focusing on E2E auditing:

- **Reduce Subscriber Churn:** By quickly isolating problems with individual services and reducing network down time
- **Reduce OPEX:** Quickly perform E2E network analysis as monitoring is performed automatically across the wireless and wired network using QuantumPath
- **Increase Revenue:** By testing and supporting new services live across the mobile network to ensure the network is ready to cope and just as importantly is coping. The need for this is essential to ensure network readiness for up and coming services e.g. VoLTE, public safety, M2M
- **Increase Security:** Ensure you have real solutions in place and that your employees can react to threats

## Contact us

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