AXON NETWORKS™

Accurate Broadband Speed Measurements
For Service Provider & Regulatory Reporting

AXON TRUSPEED™

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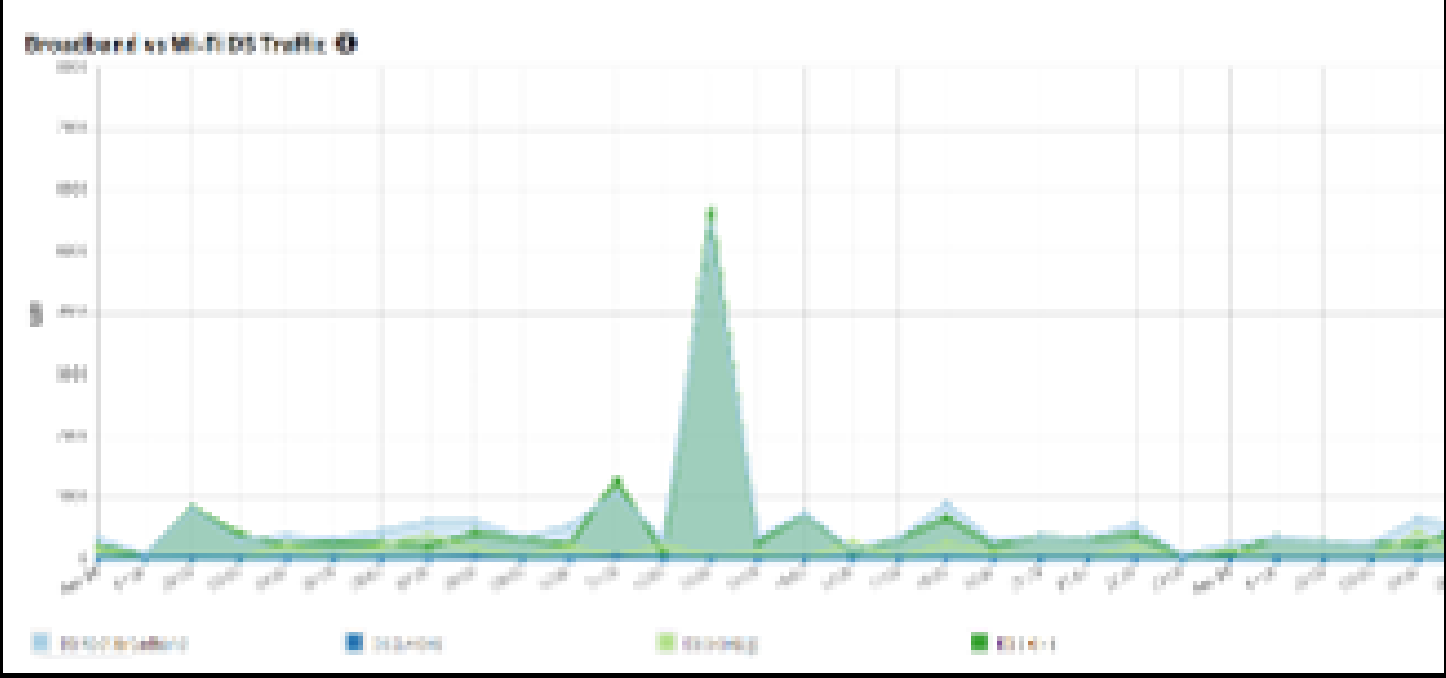
AXON TruSpeed™
Accurate Broadband Speed Measurements

PREPACKAGED REPORTS ON SUBSCRIBER BROADBAND SPEEDS

Many regulators require verification from service providers that they are delivering broadband performance levels consistent with their contracted rates or as a condition of government funding such as CAF II and Ofcom.



AXON TruSpeed takes the hassle out of measuring and reporting as per government specifications with our prepackaged reports designed to meet regulatory requirements.

KEY AXON TRUSPEED BENEFITS

1. Prepackaged regulatory reports for CAF II and Ofcom make reporting easy.

2. Customization and flexibility to meet any regulators reporting requirements.

3. Agent installed on CPE is lightweight making it fast and easy to deploy.

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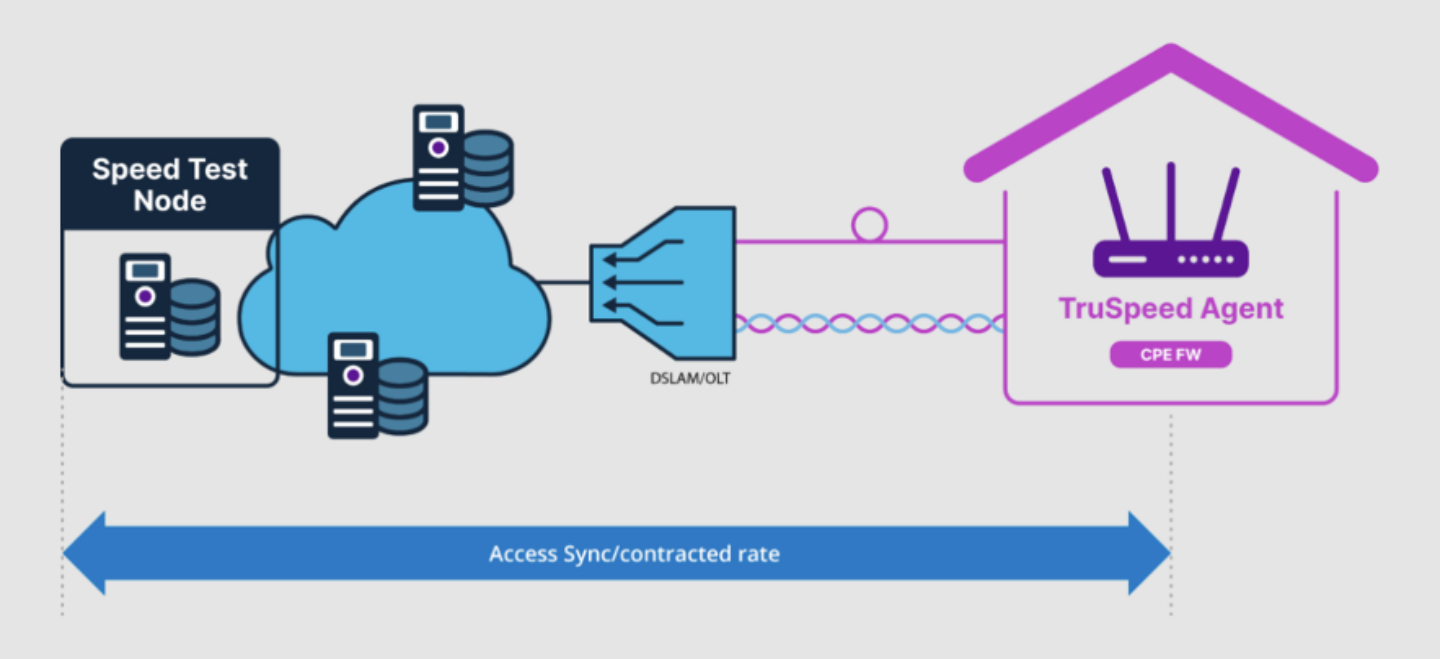
HOW AXON TRUSPEED WORKS

The lightweight TruSpeed Agent is responsible for getting the required configuration and parameters from the management server to perform throughput and latency tests against the Speed Test Node/s, reporting the results back to the Management Server. The Management Server is capable of scheduling downstream and upstream tests uniformly distributed across deployments to avoid load spikes.



To measure the accurate downstream and upstream throughput of the broadband connection, the Agent performs a TCP connection to a Speed Test Node. It runs the test from the CPE, counting both the traffic generated by the test as well as traffic from all other devices in the home (the cross traffic) in the speed test calculation.

AXON TruSpeed™ Takes The Hassle Out Of Measuring & Reporting Regulatory Requirements

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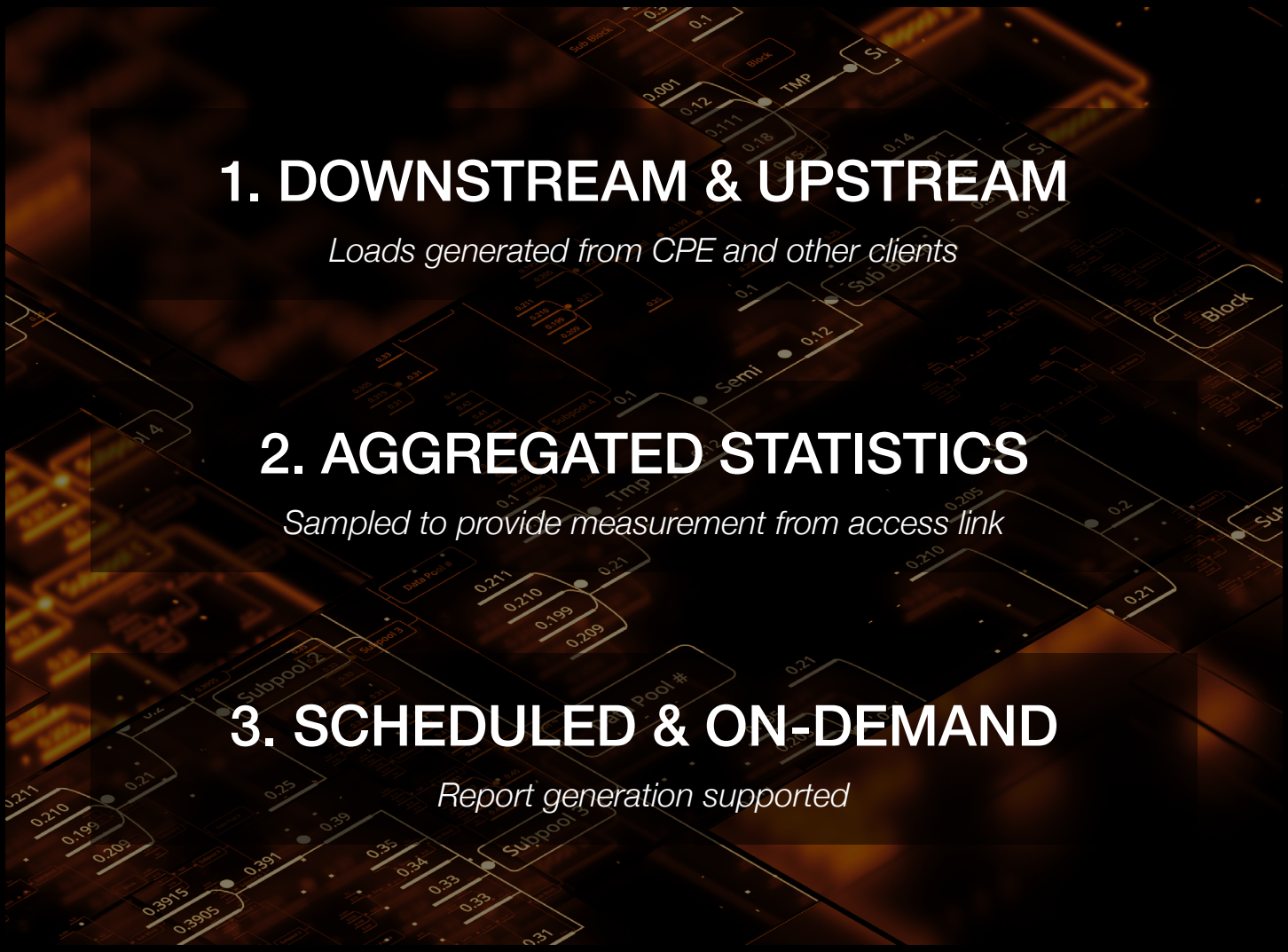
Overall speed test results are calculated considering cross-traffic and the speed test results. This provides a full accounting of traffic on the broadband link. The Speed Test Node/s used during the test can be configured in the request or they can be selected automatically by the best latency result from the previous test. The duration of the test is configurable, and the tests can be executed periodically.

To measure throughput, the agent runs simultaneous tests to saturate the broadband link to its maximum capacity.



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Out-Of-The-Box CAF II Reporting

The Connect America Fund (CAF) is a federal program that provides funding to expand broadband access to rural areas of the United States. CAF Phase II requires internet service providers to report on their progress in meeting the broadband deployment requirements.

Providers must submit semi-annual broadband deployment data to the FCC, including information on the number of locations where broadband service is available, the speeds offered, and the technology used to provide the service. Providers must also submit maps showing the areas where they have deployed broadband service and those where they plan to deploy service. These reporting requirements are designed to ensure that CAF funds are being used effectively to expand broadband access in rural areas.

Out-Of-The-Box Ofcom Reporting

Ofcom, the UK's communications regulator, requires broadband service providers to report their performance metrics to ensure that they are meeting their obligations and providing a fair and consistent service to their customers.

The reporting requirements include providing data on broadband speeds, network performance, and customer complaints. Providers are required to report this data on a regular basis, typically quarterly, to Ofcom. This data is used to ensuring that service providers meet their obligations under the law.

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Our Mission

AXON Networks™ transforms and disrupts industry sectors through cloud provisioning with a smart, lean, and secure edge stack that delivers improvements in scale, cost, security, usability, and efficacy by migrating functions from the device to the cloud - distributing intelligence between the Core and the Edge.

We achieve technology leadership by leveraging know-how in traditionally disparate industries including semiconductors, cloud, web services, application software, and networking.

AXON Networks Solutions

The world revolves around connectivity, and there's no company more experienced at delivering scalable, secure tailor-made solutions than AXON Networks. We partner with ISPs to devise strategies that help them grow their customer base, reduce customer churn, increase ARPU, lower demand for support calls, eliminate truck rolls, and deliver a total networking experience that delights while growing their brand value.

AXON Networks is the Leader in Virtualized Connectivity Software For Operator and Consumer Applications

Please contact our sales team to schedule a custom demo: **sales@axon-networks.com**

Also check out **www.axon-networks.com** to learn about other exciting AXON Networks hardware and software products including: **High-Performance Fiber Routers, AXON AnyNet™ Orchestration Platform, vCPE, GPON** and more.

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