The Future is Fiber.

How service providers are approaching fiber and the challenges they face in scaling service introductions.

Global service providers are embracing next-generation, all-IP services to meet customer demand, and as a result, are continuing to invest in fiber to boost network performance and deliver the next generation gigabit experience to their customers. Incognito partnered with Heavy Reading in Fall 2018, to survey fixed-line broadband providers about their fiber buildout, what services they plan to offer, and the challenges they face in scaling service introductions.

This infographic outlines the results of the survey and highlights the key hurdles service providers face as they transition into the era of fiber, and how Incognito can help.

The Fiber Business Imperative

90%+ are adding more fiber in 2019 and beyond.

49%+ are keying controlling costs.

23% are deploying in pre-planned situations, and 77% have brownfield investments to allocate.

The Fiber Business Imperative

Impact of Fiber on Operational Infrastructure

Challenges in Scaling Fiber Services

What's Needed

57% said the biggest challenges are related to existing OSS, 31% blame service configuration/activation and 21% cite OSS integration.

CSPs are taking wide-scale approach to fiber deployment.

90%+ cite adding more fiber as a business priority.

49%+ are replacing / overbuilding. 23% are deploying fiber in greenfield situations, and 17% are capping legacy networks to deliver services over fiber.

50%+ are replacing the OSS.

48% will introduce new OSS.

48% will retrofit existing OSS.

31% will use new OSS.

21% will integrate OSS to existing.

53% will use existing OSS.

50%+ are replacing the OSS.

57% said service configuration/activation will be most impacted.

48% cited billing, 47% said order management.

53% will use DOCSIS, while 41% will use TR-069.

OSS Strategy for Fiber Deployment

Split on technologies to manage device provisioning.

DOCSIS devices will be leveraged broadly by MSOs, while TR-069 devices are gaining ground.

48% will use DPOX. 30% will use RPoG as many operators retrofit the existing OSS.

Automation to bring massive change to network operations

50%+ cite diagnostics, service fulfillment and device discovery as top processes to automate in the next 12-24 months.

Upgrading Network Platforms

Upgrading network platforms (DHCP, DNS, IPAM) to support fiber and integrating new fiber customers onto legacy OSS are the biggest hurdles operators face.

31% will replace the OSS, 21% will introduce a new fiber-specific stack.

48% will retrofit existing OSS to handle fiber services.

53% will use existing OSS.

57% said service configuration/activation will be most impacted.

48% cited billing; 47% said order management.

53% will use DOCSIS, while 41% will use TR-069.

40% will use DPoX.

30% will use RPoG as many operators retrofit the existing OSS.

Impact of Fiber on Operational Infrastructure

Top challenges for delivering fiber-based services

Top service activation and management challenges for fiber

When it comes to accelerating fiber-based service introductions, Incognito has the solution and the expertise to address the scaling challenges faced by fixed line providers.

Retrofit OSS or new stack OSS? The choice is yours. The Incognito Fiber Service Orchestration Solution is a turnkey software platform designed to accelerate the transition next-generation IP services over fiber.

Pre-integrated fiber services orchestration stack features automated order management, service activation, provisioning, firmware management, diagnostics to reduce operational costs;

Modular architecture supports xPON deployments or models that leverage existing DOCSIS provisioning with DPoX, RFoG;

Offers unique fiber domain orchestration layer to support retrofit or new OSS stack approaches and improve time to market;

Turnkey solution offers rapid deployment in weeks.

- And diagnostics to give your customers a great in-home broadband experience.

Discover how Incognito is innovating next-generation IP services over fiber.

www.incognito.com

About the Survey

This on-line survey of cable and fixed-line service providers was conducted by Heavy Reading, in partnership with Incognito Software, during Fall 2018, and generated 145 qualified responses from executives primarily responsible for network engineering, network planning and network operations.

Respondents by Geography

What is the focus of your job responsibilities related to fiber deployment or fiber-based services?

Respondents by Geography

What is the focus of your job responsibilities related to fiber deployment or fiber-based services?