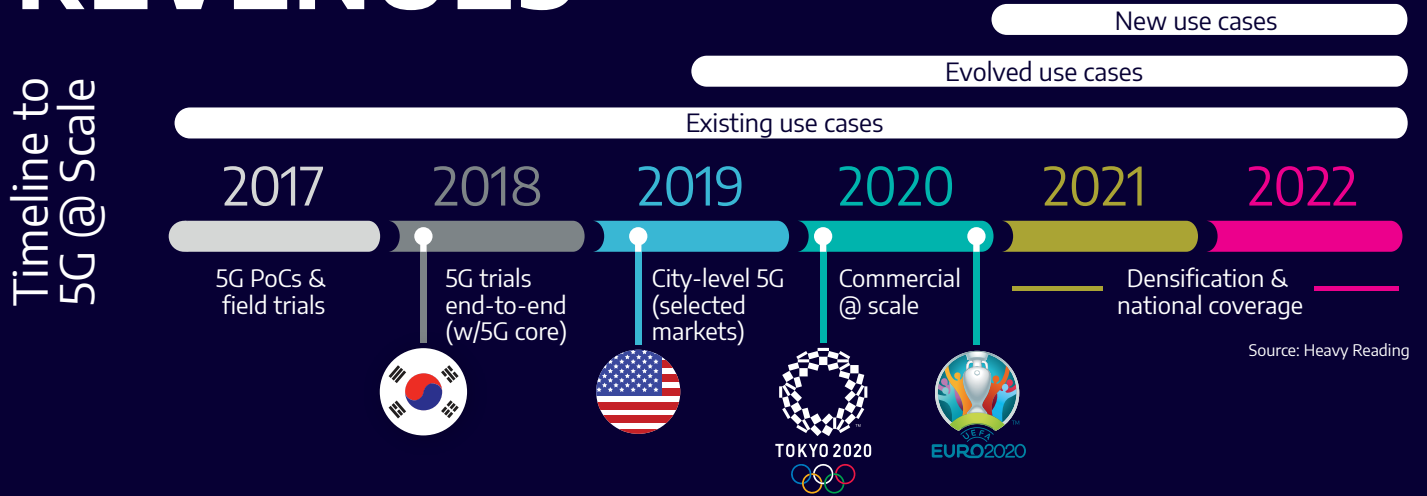


GETTING AN EDGE ON 5G REVENUES



Enterprises make up the bulk of “new” use cases

Customers are willing to pay for value

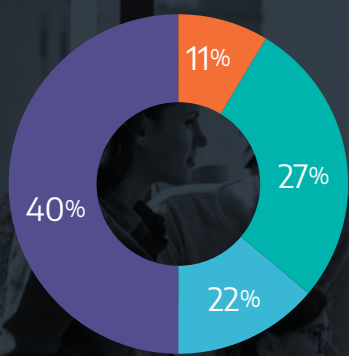
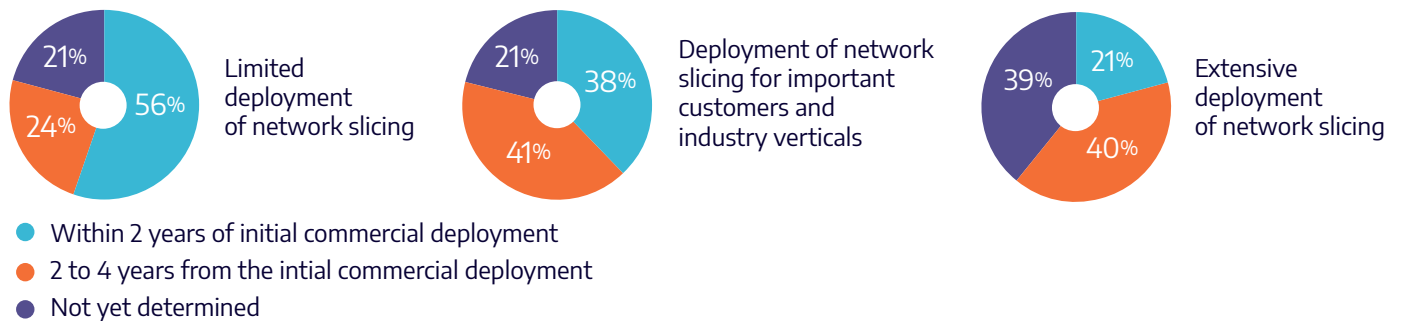


‘Network as a slice’ or virtual logical instance will be the most important enabler for driving new revenue from 5G

Source: Heavy Reading 5G webinar poll, December 2018

Network slicing is fundamental to adding value to 5G

56% of communications service providers (CSPs) expect to introduce network slicing within two years of commercial 5G launch.* Over a longer-timeframe, 61% of service providers will have “extensively deployed network slicing.”



How will service providers add value?

Using mobile edge computing (MEC) and network slice virtualization to become the “Amazon of Mobile Cloud”*

Over 70% of service providers say mobile access and edge cloud assets give them a 5G performance advantage over public cloud.

The challenge is to use performance monitoring to assure access and edge cloud and sell that with a guarantee.

Can I get an SLA with that?

- Yes, if the service provider hosts the central application in their data center.
- Yes, if the service provider hosts the application in their edge data center.
- Yes, even if the application is in the public cloud.
- Possibly, but it's not clear to what extent.

Q. Does ownership of access networks and edge cloud infrastructure enable mobile service providers to offer superior end-to-end performance guarantees for 5G compared with public cloud providers?

What do CSPs need from 5G Performance Management?

74% Unified PM visibility across all network and application layers

55% Analytics for root-cause identification and analytics for network edge

65% Real-time analytics for closed-loop quality of experience (QoE) automation

54% Continuous monitoring of circuits

% CSPs rating capability high value for 5G performance management

What are your top three challenges in operating 5G networks?*

- 1 Immature 5G vendor solutions
- 2 Managing multipoint transport links for high-density RANs
- 3 Guaranteeing latency on mission-critical apps

*Source: Heavy Reading 5G Operator Survey on Performance Monitoring, Q3 2018. Over 100 mobile service providers worldwide participated in the research study.

Analytics, machine learning, and automation are essential to make sense of the noise

DATA

Performance monitoring generates a lot of data. For example, Accedian Skylight active monitoring on a medium-sized mobile backhaul network can generate more than 3.6 billion performance measurements every day.

SUMMARY

Psychologists say humans can remember about four things at once. The Skylight analytics ‘single pane of glass view’ dashboard distills all that data into a concise summary, driven by analytics.

INSIGHT

For insight into the root cause of detected anomalies, drill down from the Skylight analytics summary. Machine learning algorithms detect patterns in tens of thousands of concurrent tests and correlates them to metadata to determine where problems are occurring.

ACTION

Turn performance data into concrete actions that improve network performance and user experience. Skylight analytics makes it possible to go from 3.6 billion measurements to problem resolution in three steps.

More info at: accedian.com/skylightanalytics

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