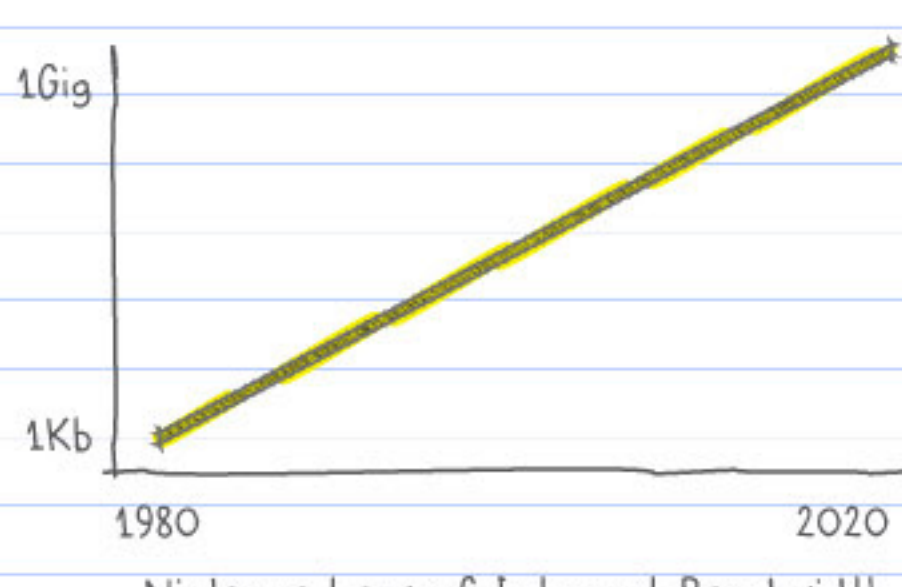


DOCSIS 3.1

A New Era of Broadband Benefits

ADDRESS CONSUMER BANDWIDTH GROWTH



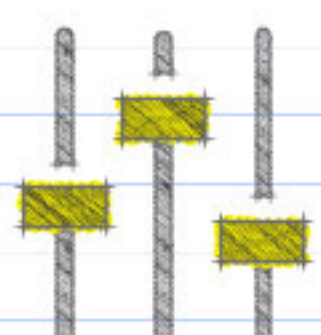
50% GROWTH IN USER BANDWIDTH PER YEAR¹

DOCSIS 3.1 Helps Meet The Growing Demands of Consumers

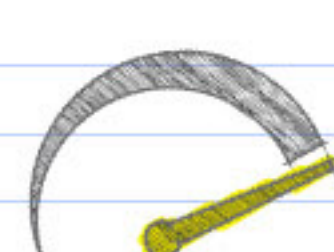
Squeeze more bandwidth out of the HFC Network with OFDM, LDPC, high-order QAM and wide spectral widths



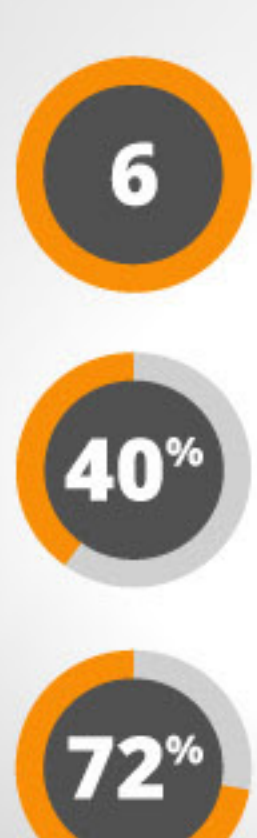
Dynamically tune DOCSIS performance based on HFC plant conditions



Optimize performance levels to each subscriber and improve spectrum utilization



Changes In Consumer Behavior Are Straining Broadband



- 6 Media devices per household²
- 40% Households that subscribe to a video streaming service³
- 72% Want high-speed internet in every room²

IMPROVE THE BROADBAND EXPERIENCE

ISP Customer Satisfaction in the U.S.⁴



Granular packet scheduling limits bandwidth consumption



Active queue management prevents "buffer bloat"



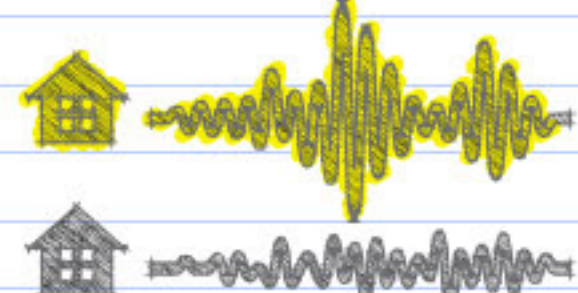
Proactive diagnostics within modems and CMTS

SAVE BANDWIDTH CAPACITY AND OPTIMIZE THROUGHPUT

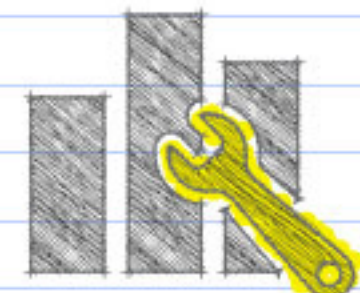
MULTIPLE MODULATION PROFILES:



Optimize on a per-subscriber basis



Provide a different set of QAM modulation orders based on the SNR in their environment.



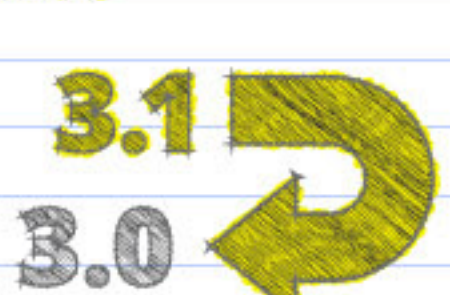
Tune performance using Big Data Analytics techniques.

100+ MILLION

DOCSIS 3.0 modems have already been deployed⁵

LEVERAGE CURRENT CPE INVESTMENT

Backwards compatibility and channel bonding between DOCSIS 3.1 and DOCSIS 3.0



INCREASE ENERGY EFFICIENCY

The NEW DOCSIS Light Sleep (DLS) feature disables processors not in use



For a deeper understanding of DOCSIS 3.1, visit www.arris.com/support/learn/understanding-docsis-3.1/

SOURCES

1 Nielsen's Law of Internet Bandwidth, Nielsen Norman Group
 2 Consumer Entertainment Index 2015, ARRIS
 3 The Total Audience Report: Q4 2014, Nielsen
 4 American Customer Satisfaction Index, 2015, ACSI
 5 Broadband CPE and Subscribers: PON, FTTH, Cable, DSL, and LTE 3Q 2014, Infonetics