Simplified Access Network Diagram

Simplified Network Diagram Showing Comcast's HFC/DOCSIS Access Network

Note: This diagram is a simplification of the actual network, which in actuality includes redundant network links, redundant network devices, and other details too complex to represent here.

13 August 2009 - Panel Discussion: FCC National Broadband Plan
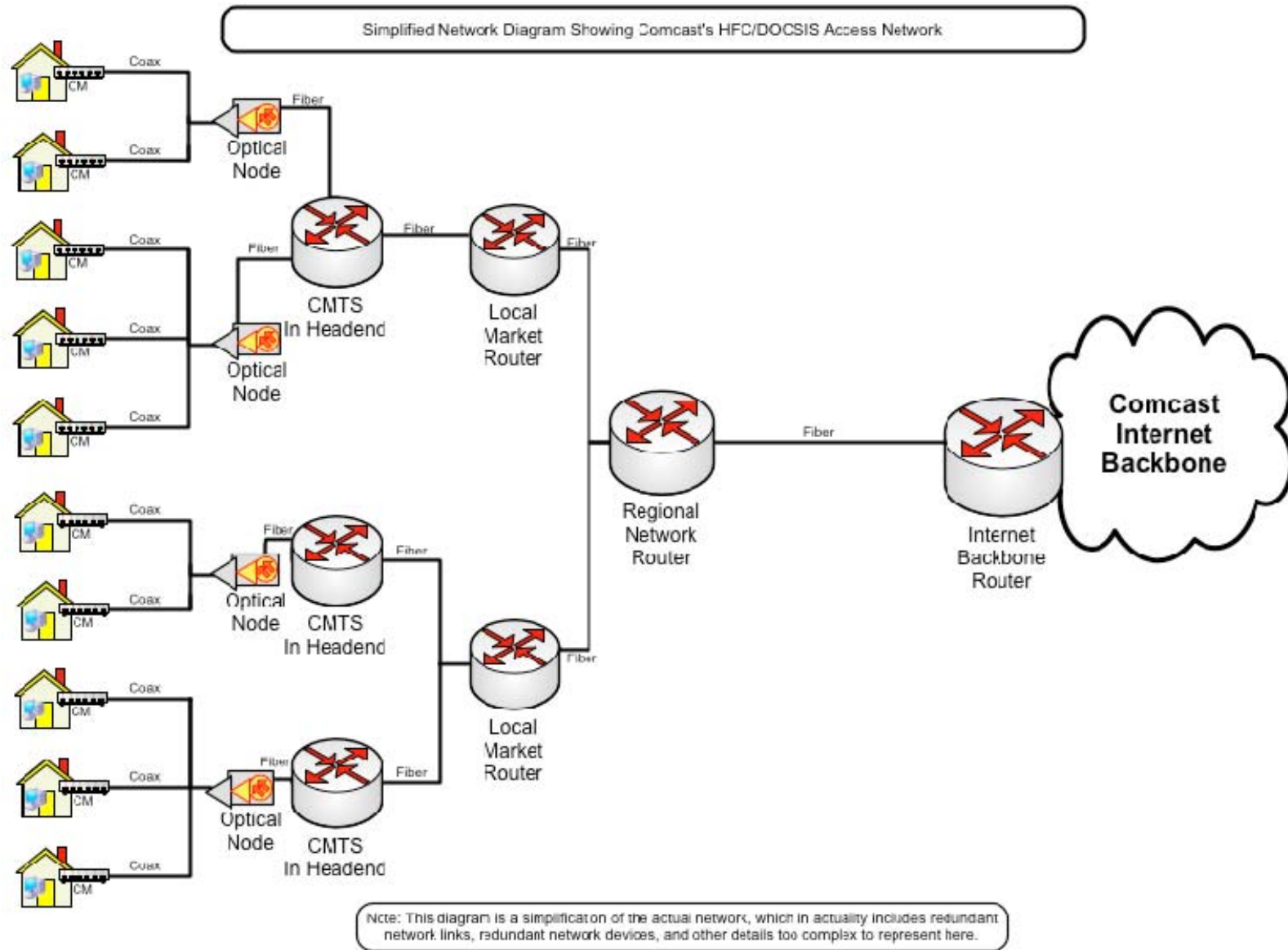
DOCSIS 3.0 Channel Bonding

DOCSIS 3.0 is the next generation of the DOCSIS standard

| Logical Channel Bonding Technology | 152 Mbps |

38 Mbps   38 Mbps   38 Mbps   38 Mbps

6 MHz   6 MHz   6 MHz   6 MHz
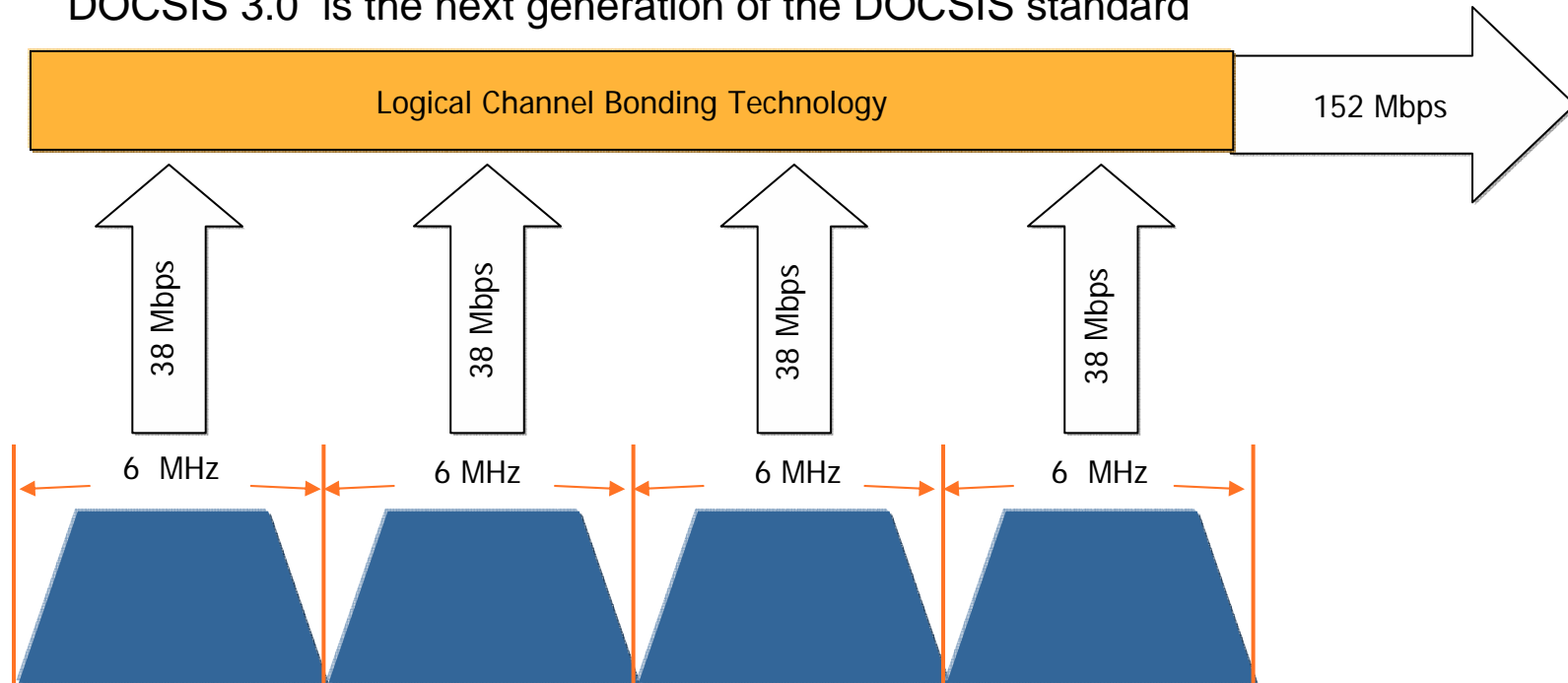
- DOCSIS 2.0 is limited to single channel's capacity

- DOCSIS 3.0 employs packet bonding across multiple channels
    - Initially will bond 4 channels
    - 8 channel-capable silicon coming soon
    - Upstream bonding in 2010
    - Increased speeds 100Mbps+

comcast.