Errors in Proposed Ofcom NGN Model for the NCC 2013-2016 – Matching Ports to Switches

1. Setting the AN switch 10GE client ports and cards to have a minimum size depending upon the number of AN switch chassis
  and
2. As part of changing the minimum size for AN switch 10GE client ports and cards setting sizes to incorporate appropriate resilience

The model correctly dimensions the number of AN switch chassis required but only calculates the number of connections from these switches on a total demand basis. This leads to having 636 switches but only 212 voice / 106 BB ports to connect onwards. To allow for connectivity from ALL switch chassis the minimum ports for Voice should be twice the number of AN switch chassis to allow for resilience from each chassis. For BB should be the number of AN switch chassis as resilience is not required.

3. Correcting AN BRA 10GE port client side calculation so maximum is at least number of AN switch 10GE client port (broadband)

The model dimensions the AN BRA 10GE ports for the total capacity required however these must equate to the AN switch BB ports as these are the other end of the same links.

4. Correcting connectivity error for SA_OTN-N_10GE client port

Number of SA OTN 10GE Client ports need to be a minimum of the SA OTN Chassis or you have no onward connectivity to a chassis.

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