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Specifying FCoE MAC Addressing Requirements

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Issue A

- Too Many MACs
 - NPIV and VSANs in use today require hundreds of N_Port IDs.
 - A requirement of a separate and unique MAC per ENode VN_Port will cause an explosion in the number of MAC Addresses per ENode.

Issue B

- In today's Ethernet deployment, MAC addresses are assigned as either:
 - A fixed address determined by the adapter vendor.
 - Mechanisms provided by the server that carefully select addresses to ensure uniqueness.
- These two approaches should be supported to enable current Ethernet fabric management techniques.

Motion A

- FC-BB-5 standard shall not **require** a separate and unique MAC address for each VN_Port FC Entity (i.e. FC_ID) within an ENode
 - A YES vote has the effect of directing the FC-BB-5 group to refrain from any proposals that **require** a unique MAC address for each instance of a VN_PORT (e.g. One instantiated with FDISC).
 - A NO vote has the effect of allowing such proposals to be considered.

Motion B

- FC-BB-5 shall specify that "The association of MAC addresses with VN_Port FC Entities shall be determined by the ENode."
 - A YES vote has the effect of specifying that the ENode (Server) has the responsibility of determining the MAC address to be used for each VN_Port and this shall be the basis of the standard, going forward.
 - A NO vote has the effect of no additions to the specification.