

| FC-BB-6 Revision 1.2 Letter Ballot Comments Database (13-021v6) |          |      |                                      |                                                                                                                            |                                                                                                                                                                                                                                                        |                                                                                                                       |      |        |
|-----------------------------------------------------------------|----------|------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|--------|
| Company number                                                  | Tech/Edi | Page | Sec/table/fig                        | Comment                                                                                                                    | Proposed Solution                                                                                                                                                                                                                                      | Resolution                                                                                                            | Key  | Status |
| Cisco-11                                                        | T        | 108  | 7.9.3.2                              | 12-019v1 was approved for incorporation in FC-BB-6 at the April 2012 FC-BB-6 meeting, however it has not been incorporated | Incorporate 12-019v1                                                                                                                                                                                                                                   | Incorporate the modified 12-019v1, which is 13-077v0.                                                                 | A    | C      |
| Cisco-02                                                        | T        | 1    | table 1                              | More annexes are applicable to FC-BB E                                                                                     | fix it                                                                                                                                                                                                                                                 | Editor to fix                                                                                                         | A    | C      |
| EMC-043                                                         | T        | 8    | 3 - Definitions and conventions      | There is no definition for FDF-MAC                                                                                         | Add a definition for FDF-MAC.                                                                                                                                                                                                                          | FDF-MAC: A Lossless Ethernet MAC coupled with an FCoE Controller in an FDF.                                           | A    | C      |
| Cisco-03                                                        | T        | 11   | 3.2.24                               | The definition of VE_Port should be harmonized with the one in FC-SW-5/6                                                   | fix it                                                                                                                                                                                                                                                 | Change to: "An instance of the FC-2V sublevel of Fibre Channel that communicates with another VE_Port (see FC-SW-6) " | AinP | C      |
| EMC-004                                                         | T        | 13   | 3.5.2 Controlling FCF Set definition | The words "up to two" limit the potential number of controlling FCFs to two and I believe we want to allow n.              | Strike the words "up to two" from the definition.                                                                                                                                                                                                      | Resolved by 13-141v1                                                                                                  | AinP | C      |
| Juniper-003                                                     | T        | 13   | 3.5.2                                | remove 'up to two'                                                                                                         |                                                                                                                                                                                                                                                        | Resolved by 13-141v1                                                                                                  | AinP | C      |
| EMC-139                                                         | T        | 14   | 3.5                                  | N_Port_ID is undefined                                                                                                     | Add a definition for N_Port_ID, even if it's just a reference to some other specification.                                                                                                                                                             | N_Port_ID: A topology unique address identifier of an Nx_Port (see FC-FS-4).                                          | A    | C      |
| EMC-006                                                         | T        | 27   | 4.3.4 FC-BB_E                        | The final sentence of this section is missing a reference to VA_Port to VA_Port virtual links.                             | Suggest replacing the final sentence of 4.3.4 with:<br>"The FC-BB_E protocol provides mechanisms to create VN_Port to VF_Port virtual links, VE_Port to VE_Port virtual links, VN_Port to VN_Port virtual links and VA_Port to VA_Port virtual links." | As suggested.                                                                                                         | A    | C      |

| Company number | Tech/Edi | Page | Sec/table/fig   | Comment                                                                                                                        | Proposed Solution                                                                                                                                                                                                                                                                                                                                                                                             | Resolution                                                                                                                                                                                                                                                                                                                                                                                   | Key  | Status |
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| EMC-007        | T        | 28   | 4.4.2.3 FC-BB_E | VA_Port references are missing.                                                                                                | Suggest replacing the first two sentences of 4.4.2.3 with:<br>"Class 2, 3, and F Fibre Channel frames arriving from a VN_Port, a VF_Port, a VE_Port or a VA_Port shall be encapsulated in FCoE frames and transmitted to the appropriate FC-BB_E device.<br><br>FCoE frames received from a remote FC-BB_E device shall be de-encapsulated and sent to the appropriate VN_Port, VF_Port, VE_Port or VA_Port." | As suggested.                                                                                                                                                                                                                                                                                                                                                                                | A    | C      |
| Juniper-006    | T        | 29   | 4.4.5           | Does the in-order delivery preclude exchange based load balancing at Ethernet L2?<br>FIP frames have no ordering requirements. |                                                                                                                                                                                                                                                                                                                                                                                                               | Replace with: FC-BB_E devices shall provide in-order delivery of FCoE frames on at least a per-Exchange basis within the Lossless Ethernet network. Also change "guarantee" to "provide" in the FCIP sentence                                                                                                                                                                                | A    | C      |
| Cisco-06       | T        | 31   | 5               | Make the VE_Port definition consistent with FC-SW-5/6                                                                          | fix it                                                                                                                                                                                                                                                                                                                                                                                                        | In 5.3.4.2.2, change "A VE_Port emulates an E_Port and interfaces with the FCIP_LEP component of the FCIP Entity. The term "Virtual" in VE_Port indicates the use of a non Fibre Channel link connecting the VE_Ports." with "A VE_Port interfaces with the FCIP_LEP component of the FCIP Entity."<br><br>Globally, replace "VE_Port_Name" with "E_Port_Name" and remove definition 3.2.25. | AinP | C      |

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| EMC-008        | T        | 87   | 7.2           | VA_Port references are missing from the second paragraph up from the bottom of the page.                                                                                                                                           | Suggest rewording the second sentence of the second paragraph up from the bottom of the page to include references to VA_Ports as follows:<br>"Fibre Channel links connect PN_Ports to PF_Ports, PE_Ports to PE_Ports and PA_Ports to PA_Ports.                                     | As suggested.                                                                                      | A    | C      |
| EMC-009        | T        | 87   | 7.2           | VA_Port references are missing from the final paragraph on the page.                                                                                                                                                               | Suggest rewording the third sentence of the final paragraph on page 87 as follows:<br>"FCoE supports VE_Port to VE_Port Virtual Links, VN_Port to VF_Port Virtual Links, VN_Port to VN_Port Virtual Links, and VA_Port to VA_Port Virtual Links."                                   | As suggested.                                                                                      | A    | C      |
| Juniper-008    | T        | 87   | 7.2           | On what boundary is sequential delivery required? Everything from one port to a different port? Within a PLOGI session? Within an exchange? does the word 'provides' really mean 'shall' or is this statement more of a guideline? | Requiring in-order deliver is fine but need to state the scope of the in-order requirement better. Preferred scope is dependent on application and use by upper level protocol. Need to state that in-order applies at the exchange or sessions level as appropriate to deployment. | Remove the sentence:<br>"The Lossless Ethernet layer provides sequential delivery of FCoE frames." | AinP | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Proposed Solution                                                                                                                                                                                                                                                                     | Resolution                                                                                                                                                                         | Key  | Status                                                        |
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| Juniper-011    | T        | 87   | 7.2           | Pause based link level flow control schemes are only euqivalent to credit based schemes within the distance supported by the buffering available to the port, priority at the receiveing Ethernet port. Within this boundary the two schemes are equivalent. Beyond the boundary, the behavior of the schemes is quite different. For credit based flow control once the bandwidth delay product exceeds the credit FC throughput drops proportional to the excess distance independent of congestion. For Paused based system the excess traffic is dropped (tail-drop). This affects several statments in the spec. | This clarification can be added to the statement or as a following statement.                                                                                                                                                                                                         | Replace "(e.g., the PAUSE mechanism defined in IEEE 802.3-2008)" with "(see 4.4.6)"                                                                                                | AinP | C                                                             |
| EMC-010        | T        | 89   | 7.2           | VN_Port causality dilemma in the second sentence of the final paragraph on page 89. The definition of a VN_Port requires a connection to an other VN_Port before the VN_Port can be instantiated? How is the first VN_Port instantiated?                                                                                                                                                                                                                                                                                                                                                                              | Suggest rewording the second sentence of the final paragraph on page 89 as follows:<br>"Each VN2VN ENode may instantiate one or more VN_Ports. Each of these VN_Ports may be connected to VN_Ports instantiated by other VN2VN ENodes through FCoE VN_Port to VN_Port Virtual Links." | As suggested. In addition remove "and is dynamically instantiated on successful completion of a FIP FLOGI or FIP NPIV FDISC Exchange." from 3.5.38.                                | A    | C                                                             |
| Juniper-013    | T        | 90   | Figure 33     | Need to explicitly point out that the VN2VN fabric/SAN and the FCF fabric/SAN shown in this diagram must be different fabrics even if they share the same Ethernet VLAN/Network.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                       | Add before "Figure 34 shows..." the sentence "The operations of the VN_Port to VN_Port Virtual Links are independent from the operations of the VN_Port to VF_Port Virtual Links." | AinP | C<br>dap - added the sentence after the "Figure 34 shows ..." |
| EMC-012        | T        | 91   | 7.2           | VA_Port to VA_Port network configuration example needs to be added.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Please add a VA_Port to VA_Port network configuration example.                                                                                                                                                                                                                        | Resolved by 13-141v1                                                                                                                                                               | AinP | C                                                             |

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| EMC-013        | T        | 91   | 7.3           | The second sentence does not include an "FCoE entity" as a required component.                                                                                                                                                                                                                                                                                                                                                                                                                       | Add the FCoE Entity as a required component.                                                                                                                                   | Fine as is.                  | R   | C<br>dap - an FCoE Entity is a required component and would not hurt to mention it.                    |
| EMC-014        | T        | 91   | Figure 35     | Only the Lossless Ethernet MAC, Ethernet_Port, FCoE Controller, the left most FCoE Entity (and everything above it) are required. Everything else, including the ellipsis, are optional and should be enclosed in brackets                                                                                                                                                                                                                                                                           | Adjust the brackets to enclose all optional functional components.                                                                                                             | Figure 37 modified.          | A   | C<br>dap - brackets added but do not include the ellipsis                                              |
| EMC-015        | T        | 91   | 7.3           | The a, b list started at the end of the page that defines the set of functions performed by the FCoE Controller does not include any VN2VN ort PT2PT protocol requirements.                                                                                                                                                                                                                                                                                                                          | Suggest adding VN2VN and PT2PT specific functions to this list including:<br>n) optionally initiates the FIP VN2VN protocol and instantiates VN_Port to VN_Port Virtual Links. | Text added to subclause 7.4  | A   | C<br>dap - text such as "For a VN2VN ENode's MAC, the FCoE Controller: ..." would be beneficial in 7.4 |
| EMC-019        | T        | 92   | 7.3           | The Final complete sentence on page 92 discusses how to handle buffer to buffer flow control parameters. The text states to ignore them and I believe this needs to be clarified especially for N_Port Virtualizers. N_Port Virtualizers that attach an FCoE ENode to an FC Fabric actually need to supply a BB_Credit value in the FC FDSIC sent to the FC Fabric in response to the FIP FLOGI or FIP NPIV FDISC received from the ENode. This has and will continue to cause problems to end users | We need to discuss the problem and determine if clarifying text is appropriate.                                                                                                | Discussed. Comment rejected. | R   | C                                                                                                      |

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| EMC-021        | T        | 93   | 7.4           | The first sentence of the first paragraph states "A VN2VN ENode MAC has one or more VN_Port dedicated to.." and I believe VN_Port should have been VN2VN_Port.                                       | Suggest rewording the first sentence of the first paragraph to something like:<br>"A VN2VN ENode MAC has one or more VN_Ports dedicated to the instantiation of VN_Port to VF_Port Virtual Links and one or more VN2VN_Ports dedicated to the instantiation of VN_Port to VN_Port Virtual Links." | The FCoE Controller of a VN2VN ENode MAC may instantiate VN2VN_Ports (i.e., VN_Ports able to support VN_Port to VN_Port Virtual Links).                                                                                                                                                                             | AinP | C                                                                                               |
| EMC-024        | T        | 93   | 7.4           | The first sentence of the final paragraph starts with "The FPMA used as VN_Port MAC address for a VN2VN_Port..." Should we be using the term FPMA since these MAC Addresses are not Fabric Provided? | Discuss comment..                                                                                                                                                                                                                                                                                 | Resolved by 13-138v2                                                                                                                                                                                                                                                                                                | AinP | C<br>dap - text for table 54<br>"The value that is concatenated to a Locally Unique N_Port_ID." |
| EMC-085        | T        | 94   | 7.4           | Second paragraph: Shouldn't the whole MAC address be checked? If only the low order 24 bits are checked, why have a VN2VN FC map?                                                                    | make the test on the entire MAC                                                                                                                                                                                                                                                                   | After the sentence of the check add: "The FCoE_LEP shall also verify that the destination address of the received FCoE frame is equal to the MAC address of the local link end-point and shall verify that the source address of the received FCoE frame is equal to the MAC address of the remote link end-point." | A    | C                                                                                               |
| EMC-027        | T        | 95   | 7.5           | In the first sentence under figure 37, it's unclear which Ethernet ports are being referred to.                                                                                                      | Suggest rewording the first sentence under figure 37 to read:<br>"When an FCF includes Lossless Ethernet bridging elements, an FCF-MAC address may be accessible via multiple externally facing Ethernet Ports on that FCF."                                                                      | As suggested.                                                                                                                                                                                                                                                                                                       | A    | C                                                                                               |

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| EMC-028        | T        | 95   | 7.5           | What is the purpose of the third paragraph that starts with "MAC addresses used..." It seems unnecessary..   | Suggest removing the third paragraph.                                                                                     | As suggested.                                                                                                                                                                                                                                                                                                                                 | A    | C      |
| EMC-029        | T        | 95   | Figure 37     | There are no VA_Ports shown in the FCF functional model                                                      | VA_Ports should be added to the FCF Functional model as optional components.                                              | VA_Port are present in Controlling FCFs, not in "regular" FCFs. The Controlling FCF functional model in 7.12 includes them                                                                                                                                                                                                                    | R    | C      |
| EMC-030        | T        | 95   | 7.5           | Missing VA_Port capable FCF MAC description.                                                                 | Suggest inserting a paragraph between the existing 2nd and 3rd paragraphs that defines what a VA_Port capable FCF MAC is. | VA_Port are present in Controlling FCFs, not in "regular" FCFs. The Controlling FCF functional model in 7.12 includes them                                                                                                                                                                                                                    | R    | C      |
| EMC-031        | T        | 96   | 7.5           | Missing a section that describes the role of the FCoE Controller when controlling a VA_Port capable FCF MAC. | Suggest adding an a, b list similar to the ones provided for VF and VE_Port capable FCF-MACs on page 96.                  | VA_Port are present in Controlling FCFs, not in "regular" FCFs. The Controlling FCF functional model in 7.12 includes them                                                                                                                                                                                                                    | R    | C      |
| EMC-032        | T        | 96   | 7.5           | The second sentence of the second to last paragraph on the page is very difficult to parse.                  | We should apply the same solution here as was done for EMC-16.                                                            | Change to: "VN_Ports instantiated by the FCoE Controller of an ENode MAC on successful completion of FIP NPIV FDISC Exchanges with a VF_Port capable FCF-MAC are all associated with the same VF_Port. This VF_Port is instantiated by the FCoE Controller of that VF_Port capable FCF-MAC on successful completion of a FIP FLOGI Exchange." | AinP | C      |

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| EMC-086        | T        | 96   | 7.5           | The second to last paragraph on page 96 states that an E_Node may log in with multiple VF_Port capable FCF-MACs. The last paragraph describes an address verification "...and shall verify that the source address of the received FCoE frame is equal to the MAC address of the remote link end-point." If an E_Node can log into multiple VF_Ports, there is no such thing as THE remote link end-point" | Editor to modify this paragraph to accommodate an E_Node logging into more than one VF_Port; or remove the statement that allows more than one login.                                                                            | An ENode can log into more than one VF_Port, however the Virtual Links are at the VN_Port level.                                                                           | R    | C                                                                     |
| EMC-034        | T        | 97   | 7.5           | The first sentence of the final paragraph should also make reference to A_Ports and VA_Ports.                                                                                                                                                                                                                                                                                                              | Reword the first sentence of the final paragraph as follows: "The Fibre Channel Switching Element is the functional entity performing Fibre Channel switching among E_Ports, F_Ports, A_Ports, VE_Ports, VF_Ports and VA_Ports." | VA_Port are present in Controlling FCFs, not in "regular" FCFs. The Controlling FCF functional model in 7.12 includes them.                                                | R    | C                                                                     |
| EMC-035        | T        | 97   | 7.5           | Missing a description of a VA_Port.                                                                                                                                                                                                                                                                                                                                                                        | Add a paragraph that describes what a VA_Port is.                                                                                                                                                                                | VA_Port are present in Controlling FCFs, not in "regular" FCFs. The Controlling FCF functional model in 7.12 includes them                                                 | R    | C                                                                     |
| EMC-087        | T        | 97   | 7.5           | The third paragraph (starting "For a VF_Port capable FCF-MAC..." the last sentence of the paragraph states that the VN_Port shall use a FPMA MAC. If the VN_Port is a BB-5 VN_Port, then it could attempt to use a SPMA MAC                                                                                                                                                                                |                                                                                                                                                                                                                                  | No issue. For FC-BB-6 compliance you shall use FPMAs                                                                                                                       | R    | C                                                                     |
| EMC-036        | T        | 100  | 7.6           | A description of figure 40 is missing                                                                                                                                                                                                                                                                                                                                                                      | Add a paragraph that describes figure 40 as was done for figures 38, 39 and 42.                                                                                                                                                  | Consider changing the sentence to: "The multipoint case shown in figure 32 is modeled by the functional model specified in 7.4 as shown in figure 40." Dave to further fix | AinP | dap - add text similar to paragraph after figure 46 in current source |



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| EMC-037        | T        | 100  | 7.6           | A description of figure 41 is missing                                                                                                                                                                                                                      | Add a paragraph that describes figure 41 as was done for figures 38, 39 and 42.                                                                                                                           | see EMC-36.          | AinP |        |
| EMC-038        | T        | 101  | 7.6           | A VA_Port to VA_Port Virtual Link example is missing                                                                                                                                                                                                       | Add a VA_Port to VA_Port Virtual Link example.                                                                                                                                                            | see EMC-29.          | R    | C      |
| EMC-039        | T        | 101  | 7.7           | The second sentence of the first paragraph is out of date.                                                                                                                                                                                                 | Consider rewording the second sentence of the first paragraph to read: "The FIP protocol is used to negotiate the VN_Port MAC addresses that are used between two ENodes or between an ENode and an ECF " | As suggested.        | A    | C      |
| EMC-040        | T        | 101  | 7.7           | The first sentence of the second paragraph states that "FPMA's are assigned by FCFs..." Depending on the outcome of EMC-24, if the term FPMA is still used to describe the MAC Addresses used in VN2VN environments, then the above statement is incorrect | Depends on the outcome of EMC-24.                                                                                                                                                                         | Resolved by 13-138v2 | AinP | C      |
| EMC-041        | T        | 101  | 7.7           | The second sentence of the second paragraph states "A properly formed FPMA is one in which the 24 most significant bits equal the Fabric's FC-MAP value." Depending on the outcome of EMC-24 and EMC-40, the above statement may be incorrect.             | Depends on the outcome of EMC-24.                                                                                                                                                                         | Resolved by 13-138v2 | AinP | C      |
| EMC-042        | T        | 101  | 7.7           | The final sentence of the second paragraph may need to be removed depending on the outcome of EMC-24.                                                                                                                                                      | Depends on the outcome of EMC-24.                                                                                                                                                                         | Resolved by 13-138v2 | AinP | C      |
| EMC-044        | T        | 103  | 7.9.1         | The 3rd paragraph from the bottom is missing a reference to FDF-MACs                                                                                                                                                                                       | A third sentence should be added to the 3rd paragraph from the bottom that states something like "On FDFs, the FDF-MAC address shall be used for all FIP frames."                                         | As suggested.        | A    | C      |

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| EMC-045        | T        | 103  | 7.9.1         | The 2nd paragraph from the bottom of the page is missing a description of what group addresses an FDF-MAC should listen to.                                                                                                                                               | Add a text to the 2nd paragraph from the bottom of the page describing what group addresses an FDF-MAC should listen to. | Change to: "ENode MACs shall listen to the All-ENode-MACs group address and, if the Locally Unique N_Port_ID protocol is supported, also to the All-VN2VN-ENode-MACs and All-PT2PT-ENode-MACs group addresses. FCF-MACs and FDF-MACs shall listen to the All-FCF-MACs group address. ENode MACs, FCF-MACs, and FDF-MACs shall listen to the All-FCoE-MACs group address." | AinP | C      |
| EMC-088        | T        | 103  | 7.9.1         | Fourth paragraph (starts "All FIP protocols are...), last sentence. This implies that a ENODE must use all available VLANs. See also 7.9.2.2 "The ENode MAC that received a FIP VLAN Notification frame may enable one or more of these VLANs for subsequent operations." | change "shall" to "may"                                                                                                  | Change the paragraph to: "FIP protocols shall be performed on a per-VLAN basis. It is recommended to use the FIP VLAN discovery protocol on the default VLAN (see IEEE 802.1Q-2005). All other FIP protocols shall be performed in the VLANs selected for FC-BB_E operations."                                                                                            | AinP | C      |
| EMC-090        | T        | 103  | 7.9.1         | Section 7.9.1 describes MAC addressing for FIP, and describes ENODES, FCFs etc, but does not describe FDFs                                                                                                                                                                | Add paragraph(s) as appropriate to describe FDFs                                                                         | see EMC-045.                                                                                                                                                                                                                                                                                                                                                              | AinP | C      |

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| Juniper-014    | T        | 103  | 7.9.1         | Paragraph below list of protocols for which FIP frames are used could be worded a bit better. The last sentence of the paragraph refers to VLANs on which FC-BB_E services are present. Note that the VLAN does not provide the services. Note that for VN2VN most people will not think about LUID being called a service. Do we consider LUID/VN2VN a service in the broader sense? |                                                                                                    | see EMC-088.          | AinP | C      |
| Juniper-015    | T        | 103  | 7.9.1         | This section needs to state that ENodes may optionally listen to the VN2VN and PT2PT group addresses. The last sentence needs to allow for these addresses as well                                                                                                                                                                                                                    |                                                                                                    | see EMC-045           | AinP | C      |
| EMC-046        | T        | 104  | 7.9.2.2       | This clause should cover the case where the ENode is connected to an FDF and also how the FDF passes FIP frames along to the FCF. None of this has been documented yet.                                                                                                                                                                                                               | Additional text needs to be added to 7.9.2.2 describing how an FDF operates in this configuration. | Resolved by 13-224v0. | AinP | C      |
| EMC-047        | T        | 104  | Figure 43     | Figure 43 does not have an (Informative) tag embedded in the title                                                                                                                                                                                                                                                                                                                    | Suggest adding an (Informative) tag to figure 43.                                                  | As suggested.         | A    | C      |

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| EMC-048        | T        | 105  | 7.9.2.2       | The second paragraph on page 105 describes a case where the FCF may send an asynchronous unicast VLAN Notification upon a change in the VLANs that offer FC-BB_E services. However, there is no text describing what an ENode should do when it receives one of these notifications. | Suggest adding something like the following text after the last sentence in the second paragraph on page 105:<br>"Upon reception of an asynchronous FIP VLAN Notification, the ENode MAC may enable one or more of the VLANs for subsequent operations. If an ENode MAC has a VN_Port to VF_Port Virtual Link over a VLAN and that VLAN is not listed in the FIP VLAN Notification and the FIP VLAN Notification was received from the FCF-MAC that the FIP FLOGI LS_ACC was received from, the FCoE Controller of the ENode should consider this to be an implicit Logout of that VN_Port. | Resolved by 13-224v0. | AinP | C      |
| EMC-049        | T        | 105  | 7.9.2.3       | The fourth paragraph of 7.9.2.3 needs a modification similar to whatever was done to resolve EMC-48.                                                                                                                                                                                 | Define the action that an FCoE Controller of a VE_Port should take upon the reception of a FIP VLAN Notification that does not contain the VLAN that a VE_Port to VE_Port Virtual Link has been instantiated on                                                                                                                                                                                                                                                                                                                                                                             | Resolved by 13-224v0. | AinP | C      |
| EMC-091        | T        | 105  | 7.9.2.2       | Second to last paragraph. If the configuration of VLANs changes such that one or more of the VLANs that a VE_Port was using is no longer in the group, where are the actions that that VE_Port must take described?                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Resolved by 13-224v0. | AinP | C      |

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| EMC-092        | T        | 105  | 7.9.2.3       | Second to last paragraph, last sentence "The unicast FIP VLAN Notification frame shall specify the revised list of VLAN IDs over which the originating VE_Port capable FCF-MAC offers FC-BB_E services and should be sent over the VLAN from which VLAN discovery requests were received." There may have never been a VLAN discovery request | Change the sentence to use one of the VLANs that a FIP ELP was successfully performed on                            | Resolved by 13-224v0.                                                                 | AinP | C      |
| EMC-095        | T        | 107  | Figure 44     | Why is there a box for fabric operation when the title of this figure is VN2VN?                                                                                                                                                                                                                                                               |                                                                                                                     | A VN2VN Enode supports also Fabric operations (see the functional model). Fine as is. | R    | C      |
| EMC-096        | T        | 107  | Figure 44     | the boxes with the a,b lists should say "in each of the selected VLAN(s)..."                                                                                                                                                                                                                                                                  |                                                                                                                     | As suggested.                                                                         | A    | C      |
| EMC-050        | T        | 108  | 7.9.2.4       | The second paragraph under Figure 44 may need a modification similar to whatever was done to resolve EMC-48 and EMC-49                                                                                                                                                                                                                        | See EMC-48 and EMC-49.                                                                                              | Resolved by 13-224v0.                                                                 | AinP | C      |
| EMC-051        | T        | 108  | 7.9.3.2       | The second paragraph of the clause is unclear and unimplementable. How does an implementation determine if a Discovery Advertisement is compatible or not? This needs to be clear because of the shall that follows..                                                                                                                         | Suggest removing the second paragraph of the clause or additional clarifying text be added.                         | See Cisco-11.                                                                         | AinP | C      |
| EMC-053        | T        | 108  | 7.9.3         | Clause 7.9.3 makes no mention of VA_Ports and how they are involved in the FIP discovery protocol                                                                                                                                                                                                                                             | Suggest text be added throughout the clause that describes how VA_Ports are involved in the FIP discovery protocol. | Resolved by 13-141v1                                                                  | AinP | C      |
| EMC-098        | T        | 108  | 7.9.2.4       | First full paragraph: There may not have ever been a VLAN discovery request.                                                                                                                                                                                                                                                                  | change the sentence to use one of the VLANs that a successful FLOGI or PLOGI has completed on                       | Resolved by 13-224v0.                                                                 | AinP | C      |

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| EMC-101        | T        | 108  | 7.9.3.2       | Last paragraph on page 108: "The FCoE Controller of an ENode MAC shall select selects for login a subset of the FCF-MACs in the FCF list having the 'Available for Login..."                                                                                                                                                  | replace "selects" with "shall select"                                                                                                                                                                                                                                                                                                           | As suggested.                                                                                           | A    | C      |
| EMC-104        | T        | 110  | 7.9.3.3       | The second to last paragraph on page 110: "In order to perform a FIP ELP with an FCF-MAC in the FCF list with the 'Max FCoE Size Verified' bit set to zero,..." A FIP ELP may never be sent if the bit is zero, FULL STOP.                                                                                                    | Change the sentence to "In order to get the Max FCoE Size Verified bit set to one (so that a FIP ELP may subsequently be performed) the FCoE Controller of a VE_Port capable FCF-MAC shall transmit a unicast Discovery Solicitation (see 7.9.8.2) to that FCF-MAC address and receive a solicited unicast Discovery Advertisement in response. | As suggested.                                                                                           | A    | C      |
| EMC-052        | T        | 112  | 7.9.3.3       | The final paragraph of this clause states "Reception of Discovery Advertisements for more that one Fabric on the same VLAN should be reported by VE_Port capable FCF-MAC..." What about the case where two fabrics are being joined for the first time? This rule would prohibit the merge of two different fabrics via FCoE. | I believe this paragraph was added in an attempt to resolve the issue identified at UNH-IOL by Bill Martin. I don't believe this text resolves that issue..                                                                                                                                                                                     | Remove from that sentence: "and no subsequent VE_Port to VE_Port Virtual Links should be instantiated." | AinP | C      |
| EMC-054        | T        | 112  | 7.9.4.1       | The final sentence of the third paragraph of the clause only partially describes how a VN_Port MAC Address is assigned to a VN_Port.                                                                                                                                                                                          | Suggest rewording the final sentence of the third paragraph to read:<br>"The MAC address contained in the MAC Address descriptor of the FIP FLOGI LS_ACC or FIP NPIV FDISC LS_ACC that is returned by the FCF shall be used as the VN_Port MAC address (see 7.7)."                                                                              | As suggested.                                                                                           | A    | C      |

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| EMC-055        | T        | 112  | 7.9.4.1       | The final sentence on the page only partially describes how the FCF shall return a properly formed FPMA.                                                                                                          | Suggest rewording the final sentence on the page to read: "The MAC Address Descriptor contained in the FIP FLOGI LS_ACC or FIP NPIV FDISC LS_ACC that is returned by the FCF shall contain a properly formatted FPMA MAC address" | As suggested.                                                                                                                                                                                                                                                                         | A    | C      |
| EMC-056        | T        | 113  | 7.9.4.2       | The second sentence of the clause only partially describes the method that FIP ELP uses to communicate MAC addresses.                                                                                             | Suggest rewording the second sentence of the clause to read: "In addition to providing ELP, the FIP ELP provides a method (i.e., the MAC Address descriptor) to communicate the MAC address for the VE_Port (see 7.9.8.4.4).      | As suggested.                                                                                                                                                                                                                                                                         | A    | C      |
| EMC-057        | T        | 113  | 7.9.4.3       | The second paragraph of the clause states that a FIP FLOGI from a VN2VN port not in the VN2VN Neighbor set shall be rejected with reason code... but no mention of how a VN2VN_Port is added to the neighbor set. | Suggest adding a reference to the Claiming a Locally Unique N_Port_ID clause 7.9.6.2.2                                                                                                                                            | Add "(see 7.9.6.2.2 and 7.9.6.3.1)" after the words "VN2VN Neighbor Set"                                                                                                                                                                                                              | AinP | C      |
| EMC-058        | T        | 113  | 7.9.5.1       | VA_Port references are missing                                                                                                                                                                                    | Suggest adding text the explicitly states VA_Port to VA_Port Virtual Links                                                                                                                                                        | Change the first sentence to: "VN_Port to VF_Port Virtual Links (see figure 30), VE_Port to VE_Port Virtual Links (see figure 31), VN_Port to VN_Port Virtual Links (see figure 32), and VA_Port to VA_Port Virtual Links (see figure XXX) overlay over a Lossless Ethernet network." | AinP | C      |
| EMC-109        | T        | 114  | 7.9.5.2       | First paragraph of this section specifically states that VN_Ports perform an implicit logout when the physical link fails. Shouldn't it also say that a VF_Port shall do the same?                                |                                                                                                                                                                                                                                   | Yes! It is written in the following sentence.                                                                                                                                                                                                                                         | A    | C      |

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| EMC-062        | T        | 115  | 7.9.5.2       | First sentence of third paragraph under note 29 is missing the word "in".                                                                                                                                                                                               | Suggest adding the word "in" to the first sentence of the third paragraph under note 29 as follows:<br>"On receiving a VN_Port FIP Keep Alive frame coming from a VN_Port that is not logged in, ..." | As suggested.                                                                                                     | A    | C                                                                                      |
| EMC-063        | T        | 116  | 7.9.5         | There is no clause that describes the VA_Port to VA_Port Virtual Link Maintenance protocol                                                                                                                                                                              | Suggest adding a clause that describes the VA_Port to VA_Port Virtual Link Maintenance protocol.                                                                                                      | Resolved by 13-141v1                                                                                              | AinP | C                                                                                      |
| EMC-112        | T        | 116  | 7.9.5.3       | The section that describes how VE_Port capable FCF_MACs handle an updated FKA_ADV_PERIOD needs to have more description on how to handle longer vs. shorter new values, like the description in 7.9.5.2                                                                 |                                                                                                                                                                                                       | Text is fine as is.                                                                                               | R    | C                                                                                      |
| DELL-2         | T        | 117  | 7.9.6.1       | Is the operation of VN2VN in multipoint-mode or point-to-point configured or auto detect? Does E-Node send FIP frames on both VN2VN and PT2PT multi-cast addresses? There is a mention of "Enode enable reception of frames sent to both address", what about transmit? |                                                                                                                                                                                                       | Add at the end of the first paragraph: "A VN2VN ENode shall operate in either multipoint or point-to-point mode." | AinP | C<br>Dell - This does not address how the node decides whether it's in P2P or MP mode. |



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| EMC-116        | T        | 119  | 7.9.6.2.2                                | The random delay should be subtracted from BEACON_PERIOD. If added, then the VN_Port could be waiting BEACON_PERIOD + 100ms, which would be a violation of the standard                                                                                                                                                                                                                |                                                                   | Change the first two sentences to: "When ready to instantiate VN_Port to VN_Port Virtual Links, a VN2VN ENode MAC shall transmit a multicast N_Port_ID Beacon to All-VN2VN-ENode-MACs and shall continue to transmit multicast N_Port_ID Beacons periodically every BEACON_PERIOD milliseconds plus a random delay uniformly distributed between 0 and 100 ms to avoid synchronized bursts of multicast traffic within the Ethernet network." | AinP | C                                                                                     |
| EMC-117        | T        | 125  | 7.9.7.2                                  | The a,b,c list at the end of this section: The text above the list says that the validations "The checks for proper formatting include". The ones that are missing need to be added so that it can say "The checks for proper formatting are:"                                                                                                                                         |                                                                   | Change "The checks for correct formatting include:" to "The minimum checks for correct formatting are:"                                                                                                                                                                                                                                                                                                                                       | AinP | C                                                                                     |
| Juniper-018    | T        | 132  | 7.9.7.3.15 & table 45 fields description | Need to state that the VLAN has either FCoE services or VN2VN discoverable ENodes or both.                                                                                                                                                                                                                                                                                             |                                                                   | Resolved by 13-224v0.                                                                                                                                                                                                                                                                                                                                                                                                                         | AinP | C                                                                                     |
| Juniper-019    | T        | 133  | 7.9.7.3.17                               | N_Port_ID Claim Notification needs to indicate whether the responding endpoint wants the destination of the claim to attempt to establish a virtual link with him. The intent of such an indication is to provide control over the establishment of virtual links such that unnecessary links are not attempted. This indication should be backward compatible to the extent possible. | text needs to updated to explain additional use of the indication | Add the "Login Avoidance Bit". Resolved by 13-250v0.                                                                                                                                                                                                                                                                                                                                                                                          | AinP | C<br>dap - see editor's note in 7.11.8.13, and not fond of the naming s/b Avoid Login |

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| Juniper-020    | T        | 137  | table 52      | FIP VLAN Notification Originator entry for this row only has FCF listed.                                                                                                                                                      | Change the Originator entry for this row to include VN2VN                                                                                                                       | Change "FCF" to "FCF or VN2VN ENode"                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | C                                                            |
| EMC-067        | T        | 141  | 7.9.8.4.2     | Related to EMC-19. The sentence beginning with "A FIP FLOGI or..." describes how to handle flow control parameters and it may need to be updated based upon the discussion of EMC-19.                                         | Depends on the outcome of EMC-19.                                                                                                                                               | No need to change. See EMC-019.                                                                                                                                                                                                                                                                                                                                                                                                                        | R    | C                                                            |
| EMC-118        | T        | 141  | 7.9.8.4.2     | The paragraph starting "The MAC address field in the MAC address descriptor..." It states "An ENode shall verify that a granted FPMA address is properly formed." but it never describes what to do if the verification fails | State that the Enode shall send a LOGO if the verification fails                                                                                                                | Resolved by 13-225v1                                                                                                                                                                                                                                                                                                                                                                                                                                   | AinP | C<br>dap - text s/b or VF_Port capable FDF-MAC vs or FDF-MAC |
| EMC-121        | T        | 144  | 7.9.8.6.1     | First paragraph of this section: the list of Vx_Ports is also optional. This text implies that at least one Vx_Port must be provided                                                                                          | Make last sentence "...one Name_Identifier descriptor (see 7.9.7.3.5), optionally a list of Vx_Port Identification descriptors (see 7.9.7.3.12), and optionally a FIP Clear..." | In the last sentence of the first paragraph, replace "a list of" with "zero or more". In the second paragraph, replace "The list of Vx_Port Identification descriptors contains either one descriptor for each VN_Port whose Virtual Link has to be de-instantiated or no descriptors." with "The list of Vx_Port Identification descriptors, if present, shall contain one descriptor for each VN_Port whose Virtual Link has to be de-instantiated." | AinP | C<br>dap - see editors note in 7.11.8.6.1                    |
| EMC-122        | T        | 144  | 7.9.8.6.1     | This section says that the MAC address in a FIP Clear Virtual Link must be set to that of an FCF. FDFs can also send them (see 7.12.3).                                                                                       | This section needs to be updated to reflect that there are other entities (i.e. FDFs) that can originate some of these FIP operations                                           | Resolved by 13-225v1                                                                                                                                                                                                                                                                                                                                                                                                                                   | AinP | C                                                            |

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| EMC-123        | T        | 144  | 7.9.8.6.1     | First paragraph of the section: VA_Port capable MACs can also generate Clear Virtual Link to an Enode                                                                                                                                                                                                                                                                                  |                                                                                                                                                | Incorrect. VA_Port capable FDF-MACs cannot generate CVLs to ENodes. | R    | C      |
| EMC-124        | T        | 144  | 7.9.8.6.2     | This section says that the MAC address in a FIP Clear Virtual Link must be set to that of an FCF. FDFs can also send them (see 7.12.3).                                                                                                                                                                                                                                                | This section needs to be updated to reflect that there are other entities (i.e. FDFs) that can originate some of these FIP operations          | Resolved by 13-225v1                                                | AinP | C      |
| EMC-125        | T        | 144  | 7.9.8.7       | First paragraph of section: FDF-MACs can also generate a FIP VLAN request                                                                                                                                                                                                                                                                                                              | Add FDF-MAC to the list of things that can generate a FIP VLAN request                                                                         | Resolved by 13-225v1                                                | AinP | C      |
| EMC-127        | T        | 145  | 7.9.8.8       | Similar comment as to EMC-126                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                | See EMC-122                                                         | AinP | C      |
| EMC-128        | T        | 145  | 7.9.8.9       | Similar comment as to EMC-126                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                | See EMC-122                                                         | AinP | C      |
| EMC-129        | T        | 145  | 7.9.8.10      | Second paragraph of the section, the parenthetic FPMA doesn't belong at the end of the sentence.                                                                                                                                                                                                                                                                                       |                                                                                                                                                | Resolved by 13-138v2                                                | AinP | C      |
| Juniper-021    | T        | 145  | 7.9.8.8       | Use of the F bit in the response does not match the description and restrictions for the F bit as described on page 124.                                                                                                                                                                                                                                                               |                                                                                                                                                | Resolved by 13-225v1                                                | AinP | C      |
| Juniper-022    | T        | 146  | 7.9.8.13      | N_Port_ID Claim Notification needs to indicate whether the responding endpoint wants the destination of the claim to attempt to establish a virtual link with him. The intent of such an indication is to provide control over the establishment of virtual links such that unnecessary links are not attempted. This indication should be backward compatible to the extent possible. | A good place for such an indication is in the FIP FC-4 Attributes descriptor as a new field (1 bt) taken from the reserved field in word zero. | See Juniper-019                                                     | AinP | C      |
| Juniper-025    | T        | 151  | 7.12          | In the distributed FCF overview, add a statement to the effect that multiple virtual domains are allowed by the protocol notwithstanding that all diagrams are drawn with only one virtual domain. Each additional virtual domain requires an additional RDI using an additional switch name                                                                                           |                                                                                                                                                | Resolved by 13-141v1                                                | R    | C      |

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| EMC-070        | T        | 152  | Figure 46     | VA_Ports between the FDFs embedded in the controlling FCFs are missing from the diagram. This is an allowable configuration based on the first sentence on page 155. | Suggest adding VA_Ports to figure 46 that link the virtual Domains residing on the controlling FCFs.                                                                                                                                                                                                                                                                                                                                                                                                                               | Resolved by 13-141v1 | R   | C      |
| EMC-132        | T        | 152  | 7.12.1        | First paragraph under figure 46: We can not require two VE_Ports in order to have redundancy.                                                                        | Change the sentence to read "The two Controlling FCFs in a redundant Distributed FCF instantiate one or more at least two Augmented VE_Port to VE_Port Virtual Links between themselves, where the term 'augmented' indicates that Virtual Link is used also for the redundancy protocol, in addition to normal VE_Port operation (see FC-SW-6)." A note could also be added, such as "NOTE: To improve redundancy, it is suggested that two or more VE_Port to VE_Port Links be configured between the primary and secondary FCF" | Resolved by 13-141v1 | R   | C      |
| EMC-071        | T        | 153  | 7.12.1        | The first sentence on page 153 should allow for one or more Domain ID per Virtual Domain                                                                             | Suggest rewording the first sentence on page 153 to read: "...typically uses three or more Domain_IDs, one for each Controlling FCF, and one or more for the Virtual Domain_IDs."                                                                                                                                                                                                                                                                                                                                                  | Resolved by 13-141v1 | R   | C      |

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| Juniper-027    | T        | 154  | figure 48     | The diagram shows a second set of optional VF, VE, and VA ports on an second optional bridge. The bracketing as drawn shows implies that at least one VA, one VE, and one VN port would be required but this is not quite correct in that the ports types can be included in any combination. VF and VN ports on the principal domain switching element are not specifically required but both could be present. | Fix the picutre to precisely show what is and is not required and in what combinations. Should be able to read the diagram and clearly understand which combinations of ports is required and allowed. I think this can be clarified some. | Resolved by 13-245v1. | AinP | C                                                                                                                                                                                                                                                                                                                      |
| EMC-072        | T        | 155  | 7.12.2        | The second paragraph on page 155 states that the FIP protocol is used to discover VA_Ports and for the instantiation of VA_Port to VA_Port Virtual Links, but this information is missing from the FIP clause 7.9.8.4.                                                                                                                                                                                           | Suggest that text is added to 7.9.8.4 that describes how the FIP protocol is used with VA_Ports.                                                                                                                                           | Resolved by 13-141v1. | AinP | C                                                                                                                                                                                                                                                                                                                      |
| EMC-074        | T        | 156  | 7.12.3        | The fourth complete sentence of the first paragraph implies that an FDF must support VF_Ports.                                                                                                                                                                                                                                                                                                                   | Suggest rewording the fourth complete sentence of the first paragraph to something like: "An FDF supports the instantiation of VA_Ports and optionally VF_Ports over its FDF-MAC."                                                         | As suggested          | A    | C<br>dap - the fourth complete sentence is "Each FDF-MAC shall be coupled with an FCoE Controller function." Assume the change is for the sixth sentence "An FDF supports the instantiation of VA_Ports or VF_Ports over its FDF-MACs." Note the proposed text says an FDF only has a single FDF-MAC. See text in 7.7. |

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| EMC-135        | T        | 156  | 7.12.3        | In the text on the top of page 156 is states that a FDF can have native A_Ports and F_Ports. That means a native device can FLOGI into an FDF. Consider what should a FDF do if it gets a clear virtual link addressed to the Native port? What if the native port aborts a FLOGI? There is no text in BB-6 that addresses these two tip of the iceberg issues. | Get rid of this can of worms and prohibit native ports on a FDF. The connectivity between the ethernet world and native world is through a FCF, not a FDF.                              | These issues are not present.      | R    | C                                                                                                                                                                                                                                                                                                                              |
| EMC-076        | T        | 158  | 7.12.5.1      | The term "initialization exchanges" used in the second paragraph of clause 7.12.5.1 is not defined in FC-SW-6 Rev 1,1,                                                                                                                                                                                                                                          | I suggest either adding text to FC-SW-6 defining exactly what initialization exchanges consist of, or update the reference in this clause to point to something that exists in FC-SW-6. | Resolved by 13-141v1 and 13-153v0. | AinP | C<br>dap - the controlling switch redundancy protocol and initialization exchanges are not finalized in SW-6                                                                                                                                                                                                                   |
| EMC-081        | T        | 160  | 7.12.5.2      | In regards to item c in the list, how does an FDF determine if a discovered FDF-MAC belongs to an FDF in the Distributed FCF's FDF Set? In other words exactly which fields are checked and what should they contain?                                                                                                                                           | Suggest adding a description of the process used by an FDF to determine if a discovered FDF-MAC belongs to an FDF in the Distributed FCF's FDF Set.                                     | Resolved by 13-141v1               | AinP | C<br>dap - the new text "A VA_Port capable FDF-MAC shall initiate a FIP ELP Exchange with a discovered VA_Port capable FDF-MAC only when its FDF is part of the Distributed FCF internal topology (see FC-SW-6) and the discovered FDF-MAC belongs to an FDF in the Distributed FCF's FDF Set." does not address the question. |
| Juniper-028    | T        | 160  | 7.12.6        | the term 'directly reachable' is not very precise because the transport layer is not specified.                                                                                                                                                                                                                                                                 | Since directly means over/across the same Ethernet L2 broadcast domain then could say layer 2 Ethernet connected/reachable or a similar statement.                                      | Remove "directly"                  | AinP | C                                                                                                                                                                                                                                                                                                                              |

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| EMC-083        | T        | 163       | Annex C       | The VN2VN protocol requires that some changes be made to Annex C. Of particular concern is the case where two VN2VN networks are joined and the same FPMAs are in use in both VN2VN networks        | Suggest adding a description of the problem to Annex C as well as a description of a solution.                                                                                                                                                                      | Commenter to research                                                | W    | C                                                                  |
| EMC-084        | T        | 171       | Annex D       | The VN2VN protocol requires that some changes be made to Annex D. Of particular concern is the case where two VN2VN networks are joined and the same FPMAs are in use in both VN2VN networks        | Suggest adding specific recommended ACL entries to Annex D that will help prevent the problem from happening.                                                                                                                                                       | Commenter to research                                                | W    | C                                                                  |
| EMC-147        | T        | 100       | Figure 41     | In figure 41, the two links that touch ENode H1 have the same MAC address, namely "MAC VN_Port(1)". Ditto for Enode H2.                                                                             | For the VN_Port to VF_Port Virtual Link, show the VL Endpoint as the FCF-provided FPMA. For the VN_Port to VN_Port link, show the end-points as "MAC VN2VN_Port(1)" and "MAC VN2VN_Port(2)", which are the locally unique port IDs, concatenated with VN2VN-FC-MAP. | Resolved by 13-245v1.                                                | AinP | C                                                                  |
| EMC-148        | T        | 101       | 7.7           | The entire section applies only to fabric topologies.                                                                                                                                               | Add paragraphs, preferably as subsections, describing how VN_Port MAC addresses are assigned in point-to-point and multipoint topologies.                                                                                                                           | Resolved by 13-138v2                                                 | AinP | C                                                                  |
| EMC-149        | T        | 103       | 7.9.1         | The protocol for point-to-point topology is omitted.                                                                                                                                                | Add requirements for VN2VN ENode MACs. For instance, "VN2VN Enode MACs shall listen to the All-VN2VN-Enode-MACs group address." Also, say whether FCF-MACs are allowed, required to, or prohibited from listening to this address.                                  | See EMC-045                                                          | AinP | C                                                                  |
| DELL-1         | T        | 104 & 107 | fig 43 & 44   | Since "default FCOE VLAN" is not defined, how does one differentiate between "Static FCOE VLAN configuraton" and "default FCOE VLAN" in the flow chart? Should standard define "default FCOE VLAN"? |                                                                                                                                                                                                                                                                     | Default FCoE VLAN is vendor specific. Standard should not define it. | R    | C<br>Dell - Need to be clear about the difference between the two. |

| Company number | Tech/Edi | Page    | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Proposed Solution                                                                                                                                                                                                                                                                                                                            | Resolution                                 | Key  | Status                                             |
|----------------|----------|---------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------|----------------------------------------------------|
| EMC-151        | T        | 107     | Figure 44     | The "No" path from the "Is there a static..." box has an unexplained branch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Make the "No" path lead to a decision box, which contains the contents of "Note: an implementation..." and allows either or both discoveries to be performed                                                                                                                                                                                 | Fine as is. The note explains the meaning. | R    | C                                                  |
| EMC-152        | T        | 107     | Figure 44     | The box labeled "Select FCoE VLANs" requires multiple VLANs to be selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Change the label to "Select FCoE VLAN(s)".                                                                                                                                                                                                                                                                                                   | As suggested                               | A    | C                                                  |
| EMC-153        | T        | 107     | Figure 44     | The paths exiting the two boxes labeled "Select FCoE VLANs" and "Use a default FCoE VLAN(s)" are unlabeled. It's not clear what causes a specific path to be chosen, or whether multiple paths are permitted.                                                                                                                                                                                                                                                                                                                                                         | Send each box's exit path into a series of two decision boxes, labeled "All VLANs have fabric topology" and "All VLANs have point-to-point or multipoint topology". Use Yes/No branches from those boxes to reach the three boxes on the lower right.                                                                                        | Add labels to the lines                    | AinP | C                                                  |
| EMC-102        | T        | 108-109 | 7.9.3.2       | Very last sentence on p 108, going onto p109 "In order to perform a FIP FLOGI with an FCF-MAC in the FCF Login Set with the 'Max FCoE Size Verified' bit set to zero..." An Enode shall not sent a FIP FLOGI if Max FCoE Size Verified is set to zero, FULL STOP. This description is not how to send a FLOGI, it is how to get the Max Size Verified bit turned on. This sentence, as written, can be interpreted as after the Solicitation/Advertisement has completed, the ENode has completed a FLOGI, because of the way the begining of the sentence is worded. | Change the subject sentence to "In order to get the Max FCoE Size Verified bit set to one (so that a FIP FLOGI may subsequently be performed) the FCoE Controller of an ENode MAC shall transmit a unicast Discovery Solicitation (see 7.9.8.2) to that FCF-MAC address and receive a solicited unicast Discovery Advertisement in response. | As suggested.                              | A    | C                                                  |
| EMC-126        | T        | 144-145 | 7.9.8.7       | This section needs description of VA Port MACs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                              | FDF-MACs. See EMC-122                      | AinP | C                                                  |
| EMC-158        | T        | 147     | Table 54      | The new constant "All-VN2VN-ENode-MACs" is missing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | add it                                                                                                                                                                                                                                                                                                                                       | As suggested                               | A    | dap - All-VN2VN-ENode-MAC is specified in table 25 |
| EMC-159        | T        | 147     | Table 54      | The new constant "VN2VN-FC-MAP" is missing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | add it                                                                                                                                                                                                                                                                                                                                       | As suggested                               | A    | C<br>dap - separate tables or merge?               |



| Company number | Tech/Edi | Page          | Sec/table/fig  | Comment                                                                                                                                                                                                                                                                                                                                                                                   | Proposed Solution                                                                                                                                                                | Resolution                                                                                                                                                                                                                                                                                             | Key  | Status |
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| DELL-3         | T        | 151, 152, 153 | fig 45, 46, 47 | Host connection to FDF shows direct connection to FDF only. Can the host connect to FDF via Lossless Ethernet Network? Should the diagram show Lossless Ethernet network between host and FDF to complete the topology?                                                                                                                                                                   |                                                                                                                                                                                  | Resolved by 13-141v1                                                                                                                                                                                                                                                                                   | R    | C      |
| EMC-144        | T        | 91            | 7.2            | In the first paragraph, the last sentence says the fabric is reduced to a single link. What if links are established on multiple VLANs? I assume those aren't reduced to a single link                                                                                                                                                                                                    | Discuss comment.                                                                                                                                                                 | Comment discussed. No change.                                                                                                                                                                                                                                                                          | AinP | C      |
| EMC-145        | T        | 93            | 7.4            | There's no wording that identifies the components of figure 36.                                                                                                                                                                                                                                                                                                                           | After the sentence starting with "Figure 36 shows", add a sentence saying what's in the figure, similar to the opening paragraph of 7.3. Say "A VN2VN ENode is composed of ...." | Change the first sentence to: "Figure 36 shows the functional model of a VN2VN ENode, where the bracketed functional components are optional. A VN2VN ENode is functionally composed of at least one Lossless Ethernet MAC (i.e., the ENode MAC), and an FCoE Controller function for each ENode MAC." | AinP | C      |
| Intel-1        | T        |               | 7.9.8.8        | The use of F bit in FIP header to identify if source of VLAN notification is from FCF or VN2VN endpoint is not backward compatible. In a mixed switch environment, older switches that would not be FC-BB-6 compliant would not be setting this bit. In order to be backward compatible would prefer is FIP sub codes for VLAN Notification be used to identify unique source of message. | Define a new code 0004h/03h to represent FIP VN2VN VLAN Notification, and keep 0004h/02h to be specifically FIP FCF VLAN Notification.                                           | Resolved by 13-225v1                                                                                                                                                                                                                                                                                   | AinP | C      |

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| Intel-2        | T        |      | 7.9.1         | The statement is made that 'Support for multiple fabrics per VLAN is outside the scope of this standard'. We would like to see clarifying text that would define how SW could determine that this condition exists in order to manage the condition as suggested in 7.9.3.2.                        | Can it be defined as when an Enode receives more than one FCF generated Fabric Advertisements with FIP Fabric descriptors that do not have matching values for all of VF_ID, FC_MAP, and Fabric_Name? Or is it a subset?<br><br>In essence this comment is asking for clarification in the FIP discovery section as appropriate and in section 3.5 adding a definition of what this specification considers as a Fabric. | See Cisco-11  | AinP | C      |
| Intel-3        | T        |      | 7.9.1         | As part of the previous clarification as specified in Intel-2, can we also include if each VLAN used by VN2VN is considered as a Fabric, and if it can coexist with an FCF Fabric on the same VLAN given that they would each use unique FC_MAP value and so no FPMA address collision could exist. | Clarify the spec to allow VN2VN and FCF to be on the same VLAN. Current specification is vague in this respect.                                                                                                                                                                                                                                                                                                          | See Cisco-11. | AinP | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Proposed Solution | Resolution      | Key  | Status |
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| Intel-4        | T        |      | 7.9.8.13      | We would like to propose adding a bit in the FIP Claim Response message FC-4 Attributes Descriptor. As presented at December 2012 T11 meeting (see T11/12-449v0), this bit is intended as a 'hint' to receiving node on the viability of establishing a virtual link with the sending node. We are flexible where this bit is actually defined, for example T11 group may determine it better to have bit in actual FIP Claim Response Header itself (or to extend use definition if header 'A' bit for this purpose?). But we feel the definition of the bit settings should be as indicated in the presentation to support backward compatibility. As presented, the importance of this change is to remove wasteful virtual link establishment attempts between nodes not intending to share resources, a condition that would normally be indicated via FC Directory/Name Service which is optional in VN2VN fabrics. |                   | See Juniper-019 | AinP | C      |
| Intel-5        | T        |      | 7.9.8.13      | As part of previous proposal as specified in Intel-4 we would like to add option that this message can be re-sent later in time between the same nodes if the condition of this bit changes. Ex. Sending node later would like to indicate to the receiving node that conditions are now good for virtual link establishment, or in the opposite case no further virtual link establishment requests should be attempted (but existing virtual links                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | See Juniper-019 | AinP | C      |

| Company number | Tech/Editor | Page | Sec/table/fig                   | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                        | Proposed Solution                                                                                                                                                                                                                                                                                                                            | Resolution                                                                                                        | Key  | Status                               |
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| Intel-8        | T           |      | 7.9.5.4                         | VN2VN virtual link re-initialization after short time cable pull. The current behavior as specified in the spec relies on Beacon messages which are sent every 8 minutes. We need a mechanism at shorter granularity to tell the remote ports that there was a link disturbance happened on the local port. So that the remote ports can reinitiate the login if required (RPortWWN > local PortWWN) and re-establish the virtual links again. | Possible Solutions:<br>Given that in VN2VN fabrics a re-connecting or re-initializing VN2VN_Port will start with LUID. Can/should we indicate that the reception of LUID discovery/Probe/Claim messages from a node that was believed to have an active virtual link could be used as trigger for implicit logout from the local VN2VN_Port? | Resolved in 13-246v1                                                                                              | AinP | dap - see Editors Note in 7.11.6.2.2 |
| Intel-9        | T           |      | Appendix D                      | The spec should update the informative annex on ACLs (Appendix D) to include VN2VN edge case, specifically Network Joins when VN2VN is on the same VLAN                                                                                                                                                                                                                                                                                        | VN2VN FIP snooping in the switch needs to detect collisions and send CVL to end points so that end points can re-establish LUID discovery and the virtual link.                                                                                                                                                                              | Appendix D provides the functionality.                                                                            | W    | C                                    |
| EMC-002        | E           | 4    | Figure 4                        | Figure 4 does not include a VA_Port reference.                                                                                                                                                                                                                                                                                                                                                                                                 | Update Figure 4 to include a VA_Port                                                                                                                                                                                                                                                                                                         | Resolved by 13-226v0                                                                                              | AinP | C                                    |
| Juniper-001    | E           | 7    | 2.6                             | Need to cross check the references for IEEE                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                              | Editor to fix                                                                                                     | AinP | C                                    |
| EMC-003        | E           | 8    | 3 - Definitions and conventions | There is no definition for A_Port                                                                                                                                                                                                                                                                                                                                                                                                              | Add a definition for A_Port.                                                                                                                                                                                                                                                                                                                 | Add to section 3.1:<br>"A_Port: The combination of one PA_Port and one VA_Port operating together (see FC-SW-6)." | AinP | C                                    |
| Juniper-002    | E           | 8    | 3.1                             | Should FC-LS-2 references be changed to FC-LS-3 references in the same way that FC-SW-5 are now FC-SW-6 references?                                                                                                                                                                                                                                                                                                                            | I think we should do this update but maybe there is some specific reason it was not done.                                                                                                                                                                                                                                                    | Editor to fix                                                                                                     | AinP | C                                    |
| Juniper-004    | E           | 13   | 3.5.5                           | change "coupled with" to "coupled to"                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                              | As suggested.                                                                                                     | A    | C                                    |

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| Juniper-005    | E        | 13   | 3.5.4                          | Shouldn't definition of "A Fiber Channel node (see FC-FS-3) that is able to transmit FCoE frames using one or more ENode MACs." add a statement to cover FIP Frames as well? FIP frames are explicitly defined separately from FCoE.                                                                              |                                                                  | Change the definition of FCoE Controller to be: "FCoE Controller: A functional entity, coupled with a Lossless Ethernet MAC, instantiating and de-instantiating VE_Ports, VF_Ports, VN_Ports,, VA_Ports and/or FCoE_LEPs using the FCoE Initialization Protocol (FIP)." | AinP | C<br>dap - also change "coupled with" to "coupled to" ? |
| Cisco-04       | E        | 14   | 3.5.36                         | It should be VN_Port/FCoE_LEP                                                                                                                                                                                                                                                                                     | fix it                                                           | As suggested.                                                                                                                                                                                                                                                           | A    | C                                                       |
| Cisco-05       | E        | 17   | 3.7.5                          | Add VA_Port                                                                                                                                                                                                                                                                                                       | fix it                                                           | As suggested.                                                                                                                                                                                                                                                           | A    | C                                                       |
| EMC-005        | E        | 23   | 4.2.5 FC-BB_E reference models | There is no VA_Port to VA_Port reference model.                                                                                                                                                                                                                                                                   | Add a VA_Port to VA_Port reference model.                        | Resolved by 13-141v1.                                                                                                                                                                                                                                                   | AinP | C                                                       |
| Juniper-007    | E        | 86   | 7.X                            | Where we talk about Lossless Ethernet Networks in terms of topology examples we should say something about VLANs. The examples discuss the idea of multiple connections and these connection can be on the same or different logical or virtual networks.                                                         |                                                                  | ??                                                                                                                                                                                                                                                                      | W    | C                                                       |
| Juniper-009    | E        | 87   | 7.2                            | VA_Ports are also connected by FCoE                                                                                                                                                                                                                                                                               | Add references to VA_Ports where FCoE connectivity is discussed. | Resolved by 13-141v1.                                                                                                                                                                                                                                                   | AinP | C                                                       |
| Juniper-010    | E        | 87   | 7.2                            | cross reference PFC (Qbb) here as well.                                                                                                                                                                                                                                                                           |                                                                  | See Juniper-011                                                                                                                                                                                                                                                         | AinP | C                                                       |
| EMC-011        | E        | 90   | 7.2                            | Should the two paragraphs beneath Figure 33 be reorganized into an a, b list? The third sentence of the first paragraph states: "Each VN2VN ENode may instantiate multiple VN_Ports..." The usage of the first VN_Port is described but the usage of the second VN_Port is not provided until the next paragraph. | Suggest reorganizing the two paragraphs into an a, b list.       | Split the first paragraph in two, with the new paragraph beginning with: "Each VN2VN ENode may instantiate multiple VN_Ports..."                                                                                                                                        | AinP | C                                                       |

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| Juniper-012    | E        | 90   | figure 33     | Given the later text on separating VN2VN from VN2VF networks using VLANs shouldn't we show the example that way instead of overlapped as in the figure? |                                                                                                                                                                                                                                                                                                         | See Juniper-013.                                                                                                                                                                                                        | AinP | C                                         |
| Cisco-07       | E        | 90   | figure 33     | "FCoE" in the caption is not bold                                                                                                                       | fix it                                                                                                                                                                                                                                                                                                  | As suggested.                                                                                                                                                                                                           | A    | C                                         |
| EMC-016        | E        | 92   | 7.3           | The second sentence of the first paragraph after the a, b list is very difficult to parse.                                                              | Reword the second sentence to something like:<br>"VN_Ports instantiated upon successful FIP FLOGI and subsequent FIP NPIV FDISC Exchanges are all associated with the same VF_Port."                                                                                                                    | Change to: "VN_Ports instantiated upon successful FIP FLOGI and subsequent FIP NPIV FDISC Exchanges are all associated with the same VF_Port that was instantiated on successful completion of the FIP FLOGI Exchange." | AinP | C<br>dap - see proposed text and old text |
| EMC-017        | E        | 92   | 7.3           | The first sentence of the second paragraph after the a, b list uses "in" instead of "during"                                                            | Suggest rewording the first sentence of the second paragraph after the a, b list as follows:<br>"The FCoE_LEP is the functional entity performing the encapsulation of FC frames into FCoE frames during transmission and the decapsulation of FCoE frames into FC frames during reception."            | As suggested.                                                                                                                                                                                                           | A    | C                                         |
| EMC-018        | E        | 92   | 7.3           | The fifth sentence of the final paragraph does not specify how the fabric assigns the VN_Port address identifier                                        | Suggest rewording the fifth sentence of the final paragraph on page 92 with something like the following:<br>"A VN_Port is uniquely identified by an N_Port_Name Name_Identifier and is addressed by the address identifier the Fabric assigned to it in the FIP FLOGI LS_ACC or FIP NPIV FDISC LS_ACC" | Specifying how the fabric behaves is not a business of FC-BB-6. The concept is covered in the subsequent sentence: "The VN_Port behavior shall be as specified in FC-LS-2 and FC-FS-3..."                               | R    | C                                         |
| EMC-020        | E        | 93   | Figure 36     | The middle "stack" is optional and should be enclosed in brackets.                                                                                      | Enclose the middle stack in brackets to indicate that it's optional.                                                                                                                                                                                                                                    | Resolved by 13-245v1.                                                                                                                                                                                                   | A    | C                                         |

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| EMC-022        | E        | 93   | 7.4           | The second paragraph should be reworded for ease of use.                                                                                                                                                                                                        | Suggest rewording the second paragraph as follows:<br>"As shown in the VN_Port to VN_Port reference model (see figure 32), because there is no FCF that performs N_Port_ID selection, VN2VN ENode MACs shall select N_Port_IDs for themselves."                                          | Change to: "As shown in figure 32, because there is no FCF that performs N_Port_ID selection, VN2VN ENode MACs shall select N_Port_IDs for themselves (see 7.9.6)." | AinP | C      |
| EMC-023        | E        | 93   | 7.4           | The first sentence of the third paragraph uses the term "Lossless Ethernet network", is this term synonymous with VLAN or should we somehow explicitly state they are unique per VLAN, especially in light of the work being done on VLAN Discovery with VN2VN? | Discuss comment.                                                                                                                                                                                                                                                                         | ??                                                                                                                                                                  | W    | C      |
| EMC-025        | E        | 93   | 7.4           | The second paragraph of clause 7.4 makes reference to the need for each VN2VN ENode MAC to assign itself an N_Port_ID selection, but makes no reference to the process that allows this to be done                                                              | Suggest adding a reference to the Locally Unique N_Port_IDs clause 7.9.6.                                                                                                                                                                                                                | See EMC-022                                                                                                                                                         | A    | C      |
| EMC-026        | E        | 94   | 7.4           | The first sentence of the first paragraph should start with a description of what figure 33 is.                                                                                                                                                                 | Suggest rewording the first sentence of the first paragraph to something like:<br>"The FCoE point-to-point reference model (see figure 34)" shows that Locally Unique N_Port_IDs shall not conflict with and shall be independent from the N_Port_IDs assigned by a Fibre Channel Fabric | Figure 33 is not a reference model, it is a supported network configuration.                                                                                        | R    | C      |
| EMC-033        | E        | 96   | 7.5           | The first sentence of the last paragraph uses "in" instead of "during"                                                                                                                                                                                          | Suggest rewording the first sentence of the last paragraph as follows:<br>"The FCoE_LEP is the functional entity performing the encapsulation of FC frames into FCoE frames during transmission and the decapsulation of FCoE frames into FC frames during reception."                   | As suggested                                                                                                                                                        | A    | C      |

| Company number | Tech/Edi | Page | Sec/table/fig                          | Comment                                                                                                                                                                                                                              | Proposed Solution                                                                                                                     | Resolution                                                                                | Key  | Status                                                                                                                                                                                                                                                                                                                                                       |
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| EMC-089        | E        | 103  | 7.9.1                                  | Third to last paragraph "On ENodes, the ENode MAC address shall be used for all FIP frames". Used in what manner, as both source and destination?                                                                                    | Modify sentence to "...shall be used as the source MAC address for all FIP frames." Similar change to last sentence of said paragraph | As suggested.                                                                             | A    | C<br>dap changed to "On ENodes, the ENode MAC address shall be used as the source MAC address for all FIP frames, except the VN_Port FIP Keep Alive frame (see 7.11.8.5). On FCFs, the FCF-MAC address shall be used as the source MAC address for all FIP frames. On FDFs, the FDF-MAC address shall be used as the source MAC address for all FIP frames." |
| Juniper-016    | E        | 104  | figure 43 and section 7.9.2 in general | Consider using figure 44 from page 107 as the only diagram for section 7.9.2 as it is a superset of figure 43. The description can then discuss where each area of the Figure 44 diagram applies to th various parts of the protocol |                                                                                                                                       | Figure 43 is much simpler for an implementation not supporting Locally Unique N_Port_IDs. | R    | C                                                                                                                                                                                                                                                                                                                                                            |
| Cisco-09       | E        | 104  | figure 43                              | bitmap figure                                                                                                                                                                                                                        | the approved version was vectorial                                                                                                    | Editor to fix                                                                             | A    | C                                                                                                                                                                                                                                                                                                                                                            |
| Juniper-017    | E        | 105  | 7.9.2.4                                | section has no title                                                                                                                                                                                                                 |                                                                                                                                       | See IBM-028                                                                               | AinP | C                                                                                                                                                                                                                                                                                                                                                            |
| EMC-094        | E        | 106  | 7.9.2.4                                | First paragraph on page 106: All instances of "VLANs" should be just "VLAN"                                                                                                                                                          |                                                                                                                                       | As suggested.                                                                             | A    | C                                                                                                                                                                                                                                                                                                                                                            |
| Cisco-10       | E        | 107  | figure 44                              | bitmap figure                                                                                                                                                                                                                        | the approved version was vectorial                                                                                                    | Editor to fix                                                                             | A    | C                                                                                                                                                                                                                                                                                                                                                            |
| EMC-097        | E        | 108  | 7.9.2.4                                | First full paragraph "If the configuration of VLANs on a VN2VN ENode configured to provide VLANs information to the other VN2VN ENodes changes"                                                                                      | second occurrence of "VLANs" should be singular                                                                                       | As suggested.                                                                             | A    | C                                                                                                                                                                                                                                                                                                                                                            |
| EMC-099        | E        | 108  | 7.9.2.4                                | Last paragraph before NOTE 19, the second "VLANs" should be singular                                                                                                                                                                 |                                                                                                                                       | As suggested.                                                                             | A    | C                                                                                                                                                                                                                                                                                                                                                            |



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| EMC-103        | E        | 109  | 7.9.3.2       | The last two sentences of the large paragraph in the middle of the page seems very out of place. The paragraph is describing multicast requests and the unicast replies. Then out of the blue these two sentences talk about unicast requests                                               |                                                  | These are unicast responses, not unicast requests.                                                                                                                                                                                                                          | R   | C      |
| EMC-105        | E        | 112  | 7.9.3.3       | Item "b" in the two a,b lists on page 112 are actually two items, and should be broken into b, and c                                                                                                                                                                                        |                                                  | The FC-MAP value is different than zero only if the FP bit is set to one, this is why the items are worded in that way. Keep as is                                                                                                                                          | R   | C      |
| EMC-106        | E        | 113  | 7.9.4.3       | First paragraph on page 113: NOTE: Here it states that the VN2VN link is instantiated at FLOGI time, but in native FC, the point to point link is not established until PLOGI, as that's where the FC_IDs are assigned for both ports. Not sure if this difference is worth debating or not | Discuss with group                               | In native FC the point to point link is a physical link... established way before PLOGI. PLOGI is where N_Port_IDs are assigned. In the FCoE case, FIP FLOGI instantiates the Virtual Link, FCoE PLOGI assigns the N_Port_IDs using the values "suggested" by the FIP FLOGI | R   | C      |
| EMC-107        | E        | 113  | 7.9.4.3       | Second paragraph in this section: "A FIP FLOGI Request in a point-to-point topology coming from a VN2VN_Port not listed in the VN2VN Neighbor Set shall..." The term "Neighbor Set" has not yet been defined up to this point in the document.                                              | A reference to section 7.9.6.2.2 should be added | As suggested.                                                                                                                                                                                                                                                               | A   | C      |
| EMC-108        | E        | 113  | 7.9.4.3       | The last two paragraphs of this section should be combined into one. The way it is now, as two separate paragraphs, the first sentence of the second paragraph is awkward. The MAC address of what???                                                                                       |                                                  | As suggested. Combine the two paragraphs.                                                                                                                                                                                                                                   | A   | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                            | Proposed Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Resolution                                                                                                                                                                                                                                                                                                      | Key  | Status |
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| EMC-059        | E        | 114  | 7.9.5.2       | Second sentence of the second paragraph has a word ordering issue.                                                                                                 | Suggest rewording the second sentence of the second paragraph to read:<br>"This behavior may be disabled by VF_Port capable FCF-MACs under administrative control by setting the D bit to one in the FKA_ADV_Period descriptor in Discovery Advertisements (see 7.9.7.3.13).                                                                                                                                                                                                                           | As suggested.                                                                                                                                                                                                                                                                                                   | A    | C      |
| EMC-060        | E        | 114  | 7.9.5.2       | Reference to "That FCF-MAC" in the fifth sentence of the fifth paragraph is confusing.                                                                             | Suggest that the third sentence of the 5th paragraph should be reworded and the fifth sentence of the paragraph should be removed. The rewording of the third sentence could be something like:<br>"If unsolicited multicast Discovery Advertisements are not received within 2.5 * FKA_ADV_PERIOD, all the VN_Port to VF_Port Virtual Links with that VF_Port shall be implicitly de-instantiated and the FCF-MAC associated with the VF_Port shall be removed from the FCF Login Set (see 7.9.3.2)." | Change to: "If unsolicited multicast Discovery Advertisements are not received within 2.5 * FKA_ADV_PERIOD, all the VN_Port to VF_Port Virtual Links with that VF_Port shall be implicitly de-instantiated and the FCF-MAC associated with that VF_Port shall be removed from the FCF Login Set (see 7.9.3.2)." | AinP | C      |
| EMC-110        | E        | 114  | 7.9.5.2       | Where is the term ENode MAC defined (ie, without association with a Vx_Port)?                                                                                      | Put a sentence describing where the actual address comes from (eg the proper standardeze for the burned in MAC) or a reference to some IEEE document etc                                                                                                                                                                                                                                                                                                                                               | Change 3.5.6 to: "ENode MAC Address: The assigned MAC address of an ENode MAC, used by the FCoE Controller of the ENode MAC for the FCoE Initialization Protocol (FIP) "                                                                                                                                        | AinP | C      |
| EMC-111        | E        | 114  | 7.9.5.2       | Paragraph 5 on page 114, last sentence: "A subsequent FIP Fabric Login may be performed with an FCF-MAC in the current FCF Login Set as specified in see 7.9.3.2." | make the end of the sentence either "...as specified in 7.9.3.2" or "...FCF Login Set (see 7.9.3.2)"                                                                                                                                                                                                                                                                                                                                                                                                   | Change to: "...as specified in 7.9.3.2"                                                                                                                                                                                                                                                                         | A    | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                            | Proposed Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Key  | Status |
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| EMC-061        | E        | 115  | 7.9.5.2       | The wording of sentences 2 through 4 of the first paragraph after Note 29, is a bit rough.                         | Suggest re-writing sentences 2 - 4 of the first paragraph to read as follows:<br>"A FIP Clear Virtual Links frame may be transmitted by a VF_Port capable FCF-MAC to an ENode MAC if one or more Virtual Link(s) have been instantiated between the VF_Port capable FCF-MAC and an ENode MAC. The FIP Clear Virtual Links frame provides a list of zero or more VN_Ports to be de-instantiated. If the FIP Clear Virtual Links frame contains one or more VN_Ports, an ENode MAC shall de-instantiate the listed VN_Ports upon reception of the Clear Virtual Links frame. IF the FIP Clear Virtual Links frame contains zero VN_Ports, the ENode MAC shall de-instantiate all VN_Ports logged in with the originating FCF-MAC upon the reception of the Clear Virtual Links frame." | Change to: "A FIP Clear Virtual Links frame may be transmitted by a VF_Port capable FCF-MAC or FDF-MAC to an ENode MAC if one or more Virtual Link(s) have been instantiated between the VF_Port capable FCF-MAC or FDF-MAC and the ENode MAC. A FIP Clear Virtual Links frame provides a list of zero or more VN_Ports to be de-instantiated. If a FIP Clear Virtual Links frame provides a list of one or more VN_Ports, an ENode MAC shall de-instantiate the listed VN_Ports upon reception of the FIP frame. If a FIP Clear Virtual Links frame provides zero VN_Ports, an ENode MAC shall de-instantiate all VN_Ports logged in with the originating FCF-MAC or FDF-MAC upon reception of the FIP frame." | AinP | C      |
| Cisco-12       | E        | 115  | 7.9.5.2       | "CVL" is used only here                                                                                            | Replace it with "FIP Clear Virtual Links frame"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | As suggested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | C      |
| EMC-064        | E        | 117  | 7.9.6.2       | The font used for the 7.9.6.2 clause title appears to be incorrect.                                                | Suggest using a bold font.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | As suggested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | C      |
| EMC-065        | E        | 117  | 7.9.6.2.1     | The word "verify" in the first sentence of the clause should be "determine".                                       | Suggest replacing "verify" with "determine" in the first sentence of the clause.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | As suggested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | C      |
| EMC-113        | E        | 117  | 7.9.6.2.1     | First paragraph of this section: The concept of a "recorded" locally unique N_Port ID has not yet been introduced. | Put a reference to 7.9.6.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | As suggested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A    | C      |
| Cisco-13       | E        | 117  | 7.9.6.2       | Not in bold                                                                                                        | fix it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | See EMC-064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A    | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                         | Proposed Solution                                                                                                        | Resolution                                                                                                                                                                                                                                              | Key  | Status                                                                                     |
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| EMC-114        | E        | 119  | 7.9.6.2.2.    | In the third paragraph on the page, the definition of a Login Set is parenthetical. Shouldn't the definition be outside parenthesis? The term "Login Set" is used in several other sections in this document.   |                                                                                                                          | What is defined here is the term 'VN2VN Login Set'. Add a reference to 7.9.6.2.2 after the first occurrence of 'VN2VN Login Set' in 7.9.5.4.                                                                                                            | AinP | C                                                                                          |
| EMC-115        | E        | 119  | 7.9.6.2.2     | In the fourth paragraph "When Ready to instantiate..." What is the definition of when a VN2VN_Port is ready?                                                                                                    | Prior to instantiating, VN_Port to VN_Port virtual links, and continuing after instantiation, a VN2VN Enode MAC shall... | Resolved by 13-246v1.                                                                                                                                                                                                                                   | AinP | C                                                                                          |
| EMC-066        | E        | 124  | 7.9.7.2       | Editor's note on page 124                                                                                                                                                                                       | Remove the editor's note.                                                                                                | See Cisco-14                                                                                                                                                                                                                                            | A    | C                                                                                          |
| Cisco-14       | E        | 124  | 7.9.7.2       | Remove the editor note. Of course, if discovery solicitations and advertisements are ignored, then the involved entities are not discovered and no Virtual Links are established, which is the proper behavior. | fix it                                                                                                                   | Change the first sentence of the previous paragraph to: "If a FIP frame is received with the C bit set to one and the D bit set to one, then the FIP frame is invalid, shall be ignored and its reception should be reported in a vendor specific way." | AinP | C                                                                                          |
| Cisco-15       | E        | 131  | 7.9.7.3.14    | Specify that the Vendor ID is the T10 Vendor ID                                                                                                                                                                 | fix it                                                                                                                   | As suggested.                                                                                                                                                                                                                                           | A    | C                                                                                          |
| Cisco-16       | E        | 132  | 7.9.7.3.16    | Specify that the Vendor ID is the T10 Vendor ID                                                                                                                                                                 | fix it                                                                                                                   | As suggested.                                                                                                                                                                                                                                           | A    | C                                                                                          |
| Cisco-17       | E        | 137  | Table 52      | FIP VLAN Requests and FIP VLAN Notifications can be used also by VN2VN Enodes                                                                                                                                   | fix it                                                                                                                   | Resolved by 13-225v1                                                                                                                                                                                                                                    | AiP  | C                                                                                          |
| EMC-119        | E        | 141  | 7.9.8.4.2     | The a,b,c, list in the middle of the page has duplicate b) c) d)                                                                                                                                                |                                                                                                                          | See Cisco-18                                                                                                                                                                                                                                            | A    | C                                                                                          |
| EMC-120        | E        | 141  | 7.9.8.4.2     | The a,b,c list at the bottom of the page has an AND that should be OR.                                                                                                                                          |                                                                                                                          | As suggested.                                                                                                                                                                                                                                           | A    | C                                                                                          |
| Cisco-18       | E        | 141  | 7.9.8.4.2     | items b), c), and d) of the lettered list are double lettered                                                                                                                                                   | fix it                                                                                                                   | As suggested.                                                                                                                                                                                                                                           | A    | C                                                                                          |
| Juniper-023    | E        | 147  | table 54      | This table should have the VN2VN timers and constants or the title of the table should be changed to reflect the subset of values listed here.                                                                  |                                                                                                                          | See IBM-040                                                                                                                                                                                                                                             | AinP | C<br>dap - review table 54 description text<br>- add text for ANNOUNCE_WAIT and PROBE_WAIT |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                        | Proposed Solution                                                                                                                                                                                                                                                                                                                   | Resolution                       | Key  | Status |
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| Juniper-024    | E        | 149  | 7.11          | Section number is repeated from page 148                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                     | Editor to fix, it should be 7.12 | A    | C      |
| EMC-068        | E        | 151  | 7.12.1        | Wording problem with the first sentence of the second paragraph up from the bottom.                                                                                                                                                                                                            | Suggest rewording the first sentence of the second paragraph up from the bottom of the page to:<br>"From an internal point of view (i.e., inside the dotted and dashed black line in figure 45), VA_Port to VA_Port Virtual Links enable the forwarding of FCoE frames between the Controlling FCF and FDFs, as well as between the | Resolved by 13-141v1.            | AinP | C      |
| EMC-130        | E        | 151  | 7.12.1        | Last paragraph on page 151: All instances of N_Port should be VN Port                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                     | Resolved by 13-141v1.            | AinP | C      |
| EMC-131        | E        | 151  | 7.12.1        | last paragraph on page 152: The term "FDF Set" has not been defined prior to the usage here.                                                                                                                                                                                                   | Either define it, or put a reference to where it is defined                                                                                                                                                                                                                                                                         | Resolved by 13-141v1.            | AinP | C      |
| Juniper-026    | E        | 151  | 7.12.1        | For forwarding the distributed switching protocols across an FDF (ie from one VA_Port to another VA_Port) in a cascaded FDF topology as shown in figure 47 name based forwarding is used. This should be explicitly pointed out as it is different from the way FCoE/FIP frames are forwarded. | This in the nature of a clarification to help understanding and could be accomplished by way of example.                                                                                                                                                                                                                            | Resolved by 13-141v1.            | AinP | C      |
| EMC-069        | E        | 152  | 7.12.1        | Missing "a" in the sentence starting with "Figure 46..." under the second paragraph on page 152.                                                                                                                                                                                               | Suggest rewording the sentence under the second paragraph to read:<br>"Figure 46 shows an example of a Distributed FCF including a redundant pair of Controlling FCFs "                                                                                                                                                             | Resolved by 13-141v1.            | AinP | C      |
| EMC-133        | E        | 153  | 7.12.1        | Last paragraph before Figure 47: The figure number is missing                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                     | Resolved by 13-141v1.            | AinP |        |
| EMC-134        | E        | 154  | Figure 48     | The multiple instances of VF_Ports, VE_Ports and VA_Ports are not in brackets, and therefore appear to be mandatory                                                                                                                                                                            | Either put the ones in the background in brackets, or since they have dotted lines around them, modify the text to say that the items in brackets or dotted lines are optional                                                                                                                                                      | See Juniper-027                  | AinP | C      |

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| EMC-073        | E        | 155  | 7.12.2        | Same problem with the third to last paragraph as described in EMC-017                 | Apply the same fix to this paragraph as done to resolve EMC-017                                                                                                                                                                                                        | As suggested.                                                                                                                     | A    | C                                 |
| EMC-136        | E        | 156  | Figure 49     | Same problem as described in EMC-137                                                  | Same fix as suggested in EMC-137                                                                                                                                                                                                                                       | Add to the convention section: "In figures, dashed components or bracketed components are optional." Dave to do editorial fixing. | AinP | C<br>dap - What editorial fixing? |
| EMC-075        | E        | 157  | 7.12.3        | Same problem with the third to last paragraph as described in EMC-017                 | Apply the same fix to this paragraph as done to resolve EMC-017                                                                                                                                                                                                        | As suggested.                                                                                                                     | A    | C                                 |
| EMC-137        | E        | 158  | 7.12.5.1      | Second paragraph of the section: Missing parenthesis around the "see SW-6" reference  |                                                                                                                                                                                                                                                                        | Resolved by 13-141v1.                                                                                                             | AinP | C                                 |
| EMC-077        | E        | 159  | 7.12.5.2      | Wording problem with the second and third sentences of the second paragraph.          | Suggest rewording the second and third sentences of the second paragraph of 7.12.5.2 to read: "When set to one, this bit indicates that the originator of the FIP ELP Request or SW_ACC is a VA_Port/VE_Port capable FCF-MAC. When set to zero, this bit indicates..." | Remove the sentence                                                                                                               | AinP | dap - remove which sentence?      |
| EMC-078        | E        | 159  | 7.12.5.2      | Wording problem with the second and third sentences of the third paragraph.           | Suggest rewording the second and third sentences of the third paragraph of 7.12.5.2 to read: "When set to one, this bit indicates that the originator of the FIP ELP Request or SW_ACC is a VA_Port capable FDF-MAC. When set to zero, this bit indicates..."          | Remove the sentence                                                                                                               | AinP | dap - remove which sentence?      |
| EMC-079        | E        | 159  | 7.12.5.2      | Remove the Editor's note                                                              | Remove the Editor's note.                                                                                                                                                                                                                                              | See Cisco-19                                                                                                                      | A    | C                                 |
| EMC-080        | E        | 159  | 7.12.5.2      | Missing "have been" in the first sentence of the second to last paragraph on page 159 | Suggest rewording the end of the first sentence of the second to last paragraph on page 159 to read: "...of the Distributed FCF's FDF Set and *have been* discovered by FIP discovery on the Lossless Ethernet network"                                                | As suggested.                                                                                                                     | A    | C                                 |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                              | Proposed Solution                                                                                                                                                                                  | Resolution                                                                                                                                                                                                               | Key  | Status                                        |
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| Cisco-19       | E        | 159  | 7.12.5.2      | Remove the editor note. Of course, if the ELP Request and/or SW_ACC is ignored, then no Virtual Links are established, which is the proper behavior. | fix it                                                                                                                                                                                             | Specify to reject the FIP ELP if they are set to one in the FIP ELP Request and to de-instantiate the Virtual Link (through a FIP Clear Virtual Link) if they are set to one of the FIP SW_ACC. And report the situation | AinP | C<br>dap - see proposed text                  |
| EMC-082        | E        | 160  | 7.12.5.3      | Missing a cross reference to the VE_Port to VE_Port Virtual Link maintenance clause.                                                                 | Suggest adding a cross reference to the VE_Port to VE_Port Virtual Link maintenance clause.                                                                                                        | See Cisco-20                                                                                                                                                                                                             | A    | C                                             |
| Cisco-20       | E        | 160  | 7.12.5.3      | Add a reference "(see 7.9.5.3)" at the end of the sentence.                                                                                          | fix it                                                                                                                                                                                             | As suggested.                                                                                                                                                                                                            | A    | C                                             |
| Cisco-21       | E        | 206  | Table H.1     | Replace the first "FIP" instance with "FCoE" in the second row                                                                                       | fix it                                                                                                                                                                                             | As suggested.                                                                                                                                                                                                            | A    | C                                             |
| EMC-150        | E        | 105  | 7.9.2.4       | There's no title.                                                                                                                                    | Call this section "ENode/ENode discovery"                                                                                                                                                          | See IBM-028                                                                                                                                                                                                              | AinP | C<br>dap - title "VN2VN ENode VLAN discovery" |
| EMC-154        | E        | 113  | 7.9.4.3       | The first sentence gives an ENode MAC too much power.                                                                                                | Replace "A VN2VN ENode MAC, operating" with "The FCoE Controller of a VN2VN ENode MAC, operating".                                                                                                 | As suggested.                                                                                                                                                                                                            | A    | C                                             |
| EMC-155        | E        | 113  | 7.9.4.3       | The PLOGI process should be clearly distinguished from the FLOGI process.                                                                            | Start a new paragraph with the sentence "As specified in FC-LS-2". Also, move this paragraph below the "A FIP FLOGI Request" paragraph, so all FLOGI issues are discussed before all PLOGI issues. | Start a new paragraph with the sentence "As specified in FC-LS-2".                                                                                                                                                       | AinP | C                                             |

| Company number | Tech/Edi | Page     | Sec/table/fig        | Comment                                                                                                                                                                  | Proposed Solution                                                                                                                                                          | Resolution                                                                                                                                                                                                                   | Key  | Status                                                                                                                                                                                                                      |
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| EMC-156        | E        | 113      | 7.9.4.3              | The third paragraph gives a FIP LOGO too much power.                                                                                                                     | Re-use the wording from the paragraph at the top of the page: the ENode deinstantiates the link by performing a FIP LOGO and, if successful, deinstantiating the FCoE_LEP. | Change the first sentence to: "Explicit VN_Port to VN_Port Virtual Link deinstantiation is performed by a VN2VN ENode MAC by performing a FIP Fabric LOGO, that de-instantiates the FCoE_LEPs and performs a N_Port logout." | AinP | C<br>dap - too many "perform"<br>"Explicit VN_Port to VN_Port Virtual Link deinstantiation is accomplished by a VN2VN ENode MAC by transmitting a FIP Fabric LOGO, that de-instantiates the FCoE_LEPs and performs a N_Port |
| EMC-157        | E        | 115      | 7.9.5.2              | In the paragraph beginning with "An event that causes", what's a CVL?                                                                                                    | spell it out                                                                                                                                                               | See Cisco-12                                                                                                                                                                                                                 | A    | C                                                                                                                                                                                                                           |
| EMC-140        | E        | 90       | 7.2                  | the paragraph starting "Each of the two", the second sentence starts "FCF A", but there's no FCF A in Figure 33, only a single FCF.                                      | Replace "FCF A" with The FCF".                                                                                                                                             | As suggested. See Oracle-3                                                                                                                                                                                                   | A    | C                                                                                                                                                                                                                           |
| EMC-141        | E        | 90       | 7.2                  | In the paragraph starting "Each of the two", the third sentence refers to "the FCFs", but there's only a single FCF in Figure 33.                                        | Replace "FCFs" with "FCF".                                                                                                                                                 | As suggested.                                                                                                                                                                                                                | A    | C                                                                                                                                                                                                                           |
| EMC-142        | E        | 90       | 7.2                  | In the paragraph starting "Each VN2VN ENode", the second sentence refers to "a possible VN_Port to VF_Port Virtual Link", but the link is actually "VN_Port to VN_Port". | Replace "VF_Port" with "VN_Port".                                                                                                                                          | As suggested.                                                                                                                                                                                                                | A    | C                                                                                                                                                                                                                           |
| EMC-143        | E        | 91       | 7.2                  | In the first paragraph, the phrase "reduced by FCoE to point-to-point" is idiomatically incorrect.                                                                       | Change "to point-to-point" to "to a point-to-point".                                                                                                                       | As suggested.                                                                                                                                                                                                                | A    | C                                                                                                                                                                                                                           |
| EMC-146        | E        | 93       | 7.4                  | In the bottom paragraph, each VN2VN_Port seems to have an FPMA, but there's no F(abric) to P(rovide) it.                                                                 | Don't call the VN_Port MAC address an FPMA. Not unless you're prepared to fix section 7.7, which says nothing about multipoint and point-to-point topologies               | Resolved by 13-138v2                                                                                                                                                                                                         | AinP | C                                                                                                                                                                                                                           |
| Cisco-08       | E        | multiple | multiple             | Check the usage of the term "FPMA" in the context of VN2VN                                                                                                               | "MAC address" could be a more proper term.                                                                                                                                 | Resolved by 13-138v2                                                                                                                                                                                                         | AinP | C                                                                                                                                                                                                                           |
| Oracle-1       | E        | p. 102   | 7.8 (first sentence) | "... contain an FCoE PDU (see table 21)" should be, "see table 22"                                                                                                       |                                                                                                                                                                            | fix the reference.                                                                                                                                                                                                           | A    | C                                                                                                                                                                                                                           |



| Company number | Tech/Edi | Page   | Sec/table/fig                 | Comment                                                                                                                                                                                                                                                 | Proposed Solution                                                                      | Resolution                                                                          | Key  | Status |
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| Oracle-5       | E        | p. 105 | 7.9.2.4                       | Missing heading, "VN2VN Enode Discovery"                                                                                                                                                                                                                |                                                                                        | Put a title<br>See IBM-028                                                          | AinP | C      |
| Oracle-3       | E        | p. 90  | paragraph below Figure 33     | "FCF A has a single physical Ethernet ..." The FCF in figure 33 is not labeled FCF A, it is just labeled FCF.                                                                                                                                           |                                                                                        | Change the text to "The FCF"                                                        | AinP | C      |
| Oracle-4       | E        | p. 90  | 2nd paragraph below Figure 33 | "The green dotted line in figure 33 depicts a possible VN_Port to VF_Port Virtual Link." No, it depicts a VN_Port to VN_Port Virtual Link.                                                                                                              |                                                                                        | Change the text to "VN_Port to VN_Port"                                             | AinP | C      |
| EMC-001        | E        | xxi    | Table                         | The final entry (Table H.1) in the table list contains bold formatted characters.                                                                                                                                                                       | Remove the bold format.                                                                | As suggested.                                                                       | A    | C      |
| Cisco-01       | E        | xxi    |                               | strange bold in table H.1                                                                                                                                                                                                                               | fix it                                                                                 | As suggested.                                                                       | A    | C      |
| Oracle-2       | E        |        |                               | Missing FIP definition in the definitions section (e.g., "FIP - FCoE Initialization Protocol) there are other similar definitions, like B_Port, VN_Port, etc.                                                                                           |                                                                                        | Already defined in the acronym list                                                 | R    | C      |
| Intel-6        | E        |        | 7.9.7.2                       | If use of 'F' bit in FIP header holds as defined for FIP VLAN Response, need to add this message type to list outlined in text describing this bit. FIP VLAN Request is indicated but not FIP VLAN Response                                             | Need to add VLAN notification response in the definition of 'F' bit in section 7.9.7.2 | Resolved by 13-225v1                                                                | AinP | C      |
| Intel-7        | E        |        | 7.9.8.4.2                     | Page 141, fix list that indicates 'b) b), and c) c), etc.                                                                                                                                                                                               |                                                                                        | See Cisco-18                                                                        | A    | C      |
| EMC-093        |          | 105    | 7.9.2.4                       | First sentence of the section. 7.9.2.2 describes how to discover VLANs when there is a FCF present. How does that apply to VN2VN?                                                                                                                       |                                                                                        | A VN2VN ENode is also an ENode and as such it can operate with FCFs. See figure 33. | W    | C      |
| EMC-138        | ?        |        |                               | EMC is very concerned that the distributed FCF (i.e. Section 7.12) is so dependant SW-6, and that SW-6 is still open to technical input. It is possible that changes to the current SW-6 could make the text in this version of BB-6 wrong or obsolete. | Discuss with group                                                                     | Resolved by 13-141v1. See Brocade-188                                               | AinP |        |

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| DELL-4         |          |      | 7.12          | Since BB-6(Distributed FCF, 7.12) is closely dependent on SW-6, BB-6 should closely track SW-6. We believe SW-6 should be comepleted before BB-6(Distributed FCF) is closed/finalized. If not, there is a potential for Distributed FCF to be incorrect. |                   | Resolved by 13-141v1. See Brocade-188                                                                                                                      | AinP |        |
| Brocade-001    |          | 6    |               | Delete blank pages.                                                                                                                                                                                                                                      |                   |                                                                                                                                                            | A    | C      |
| Brocade-002    |          | 10   |               | Fix hyphenation globally.                                                                                                                                                                                                                                |                   |                                                                                                                                                            | A    | C      |
| Brocade-003    |          | 13   |               | Remove all bold text in the TOC.                                                                                                                                                                                                                         |                   |                                                                                                                                                            | A    | C      |
| Brocade-004    |          | 15   |               | Fix long sentence wrapping per ISO/IEC directives.                                                                                                                                                                                                       |                   |                                                                                                                                                            | A    | C      |
| Brocade-005    |          | 21   |               | Remove bold.                                                                                                                                                                                                                                             |                   |                                                                                                                                                            | A    | C      |
| Brocade-006    |          | 25   |               | Functional models in 7.3, 7.4, and 7.5 use Lossless Ethernet MAC and Ethernet_PORT instead of IEEE 802.3//802.1 Lossless Ethernet.                                                                                                                       |                   | Keep as is.                                                                                                                                                | R    | C      |
| Brocade-007    |          | 25   |               | Diagram has FC_BB_E (which is not defined anywhere), not FC-BB E.                                                                                                                                                                                        |                   | Fix it.                                                                                                                                                    | A    | C      |
| Brocade-008    |          | 26   |               | Insert space between lines.                                                                                                                                                                                                                              |                   |                                                                                                                                                            | A    | C      |
| Brocade-009    |          | 26   |               | Insert space between lines.                                                                                                                                                                                                                              |                   |                                                                                                                                                            | A    | C      |
| Brocade-010    |          | 27   |               | FC-SW-6                                                                                                                                                                                                                                                  |                   | Remove SW-5                                                                                                                                                | A    | C      |
| Brocade-011    |          | 27   |               | Obsoleted by RFC 5905 Errata                                                                                                                                                                                                                             |                   | Change to RFC 5905.                                                                                                                                        | AinP | C      |
| Brocade-012    |          | 27   |               | Add references to FC-SW-6 and FC-LS-3, and remove FC-SW-5 and FC-LS-2.                                                                                                                                                                                   |                   | As suggested.                                                                                                                                              | A    | C      |
| Brocade-013    |          | 29   |               | The term VX_Port Identification is used but never defined. Should also define VX_Port.                                                                                                                                                                   |                   | Add a reference to 7.9.7.3.12 in the first instance of Vx_Port Identification descriptor. Change all `Vx_Port_Identification` to `Vx_Port Identification`. | AinP | C      |
| Brocade-014    |          | 29   |               | Convert all definitions to ISO/IEC style.                                                                                                                                                                                                                |                   | Action to Dave.                                                                                                                                            | AinP |        |
| Brocade-015    |          | 32   |               | This is not an FCoE Virtual Link. Should there be a generic term for virutal link defined to differentiate the one defined for FCoE.                                                                                                                     |                   | Fine as is                                                                                                                                                 | R    | C      |

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| Brocade-016    |          | 34   |               | Change to deinstantiating - global                                                                                                                                                                                                                                                                               |                   |                                                                                                                                                       | A    | C<br>Changed to de-instantiate globally to be consistent with de-encapsulation                   |
| Brocade-017    |          | 34   |               | Grammar. Should be of up to two.                                                                                                                                                                                                                                                                                 |                   | Definition removed by 13-141v1.                                                                                                                       | AinP | C                                                                                                |
| Brocade-018    |          | 34   |               | The Switch_Names the Controlling FCFs that are part of a Distributed Switch.                                                                                                                                                                                                                                     |                   | Definition removed by 13-141v1.                                                                                                                       | AinP | C                                                                                                |
| Brocade-019    |          | 34   |               | One or more FDF(s) ...                                                                                                                                                                                                                                                                                           |                   | Fine as is                                                                                                                                            | R    | C                                                                                                |
| Brocade-020    |          | 35   |               | Should tjis be FCoE Virtual Link as 7.6 describes. Also virtual link is used in the context of FCIP also (3.2.18).                                                                                                                                                                                               |                   | Fine as is                                                                                                                                            | R    | C                                                                                                |
| Brocade-021    |          | 36   |               | Add definition for VN2VN_Port.                                                                                                                                                                                                                                                                                   |                   | See Brocade-024                                                                                                                                       | A    | C                                                                                                |
| Brocade-022    |          | 36   |               | Lower case (globally).                                                                                                                                                                                                                                                                                           |                   |                                                                                                                                                       | A    | C                                                                                                |
| Brocade-023    |          | 36   |               | This text still bothers me as I don't see how a VN_Port is dynamically instantiated after a FLOGI. I think the VN_Port has to be instantiated just to be able to transmit a FLOGI and it is the FCoE_LEP and associated virtual link that is dynamically instantiated. Same for VF_Port and VE_Port definitions. |                   | Accept to remove this text from the definition.                                                                                                       | AinP | dap - removed "dynamically instantiated" from the definitions, but other instances still remain. |
| Brocade-024    |          | 36   |               | Should also have definitions for VN2VN ENode and VN2VN_Port                                                                                                                                                                                                                                                      |                   | VN2VN_Port: A VN_Port dedicated to the instantiation of VN_Port to VN_Port Virtual Links.<br>VN2VN ENode: an ENode supporting one or more VN2VN Ports | AinP | C                                                                                                |
| Brocade-025    |          | 40   |               | Missing figure 9 and 10 and probably the accompanying text                                                                                                                                                                                                                                                       |                   | Resolved by 13-141v1.<br>Remove the sentence "These reference models are shown in figure 5, figure 6, figure 7, and figure 8 respectively."           | AinP | C                                                                                                |
| Brocade-026    |          | 41   |               | A_Port or VA_Port ?                                                                                                                                                                                                                                                                                              |                   | Add A_Port.                                                                                                                                           | AinP | C                                                                                                |
| Brocade-027    |          | 44   |               | Provide VA_Port to VA_Port reference model.                                                                                                                                                                                                                                                                      |                   | Resolved by 13-141v1.                                                                                                                                 | AinP | C                                                                                                |
| Brocade-028    |          | 46   |               | Missing note about independent communicating pair.                                                                                                                                                                                                                                                               |                   | As suggested.                                                                                                                                         | A    | C                                                                                                |

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| Brocade-029    |          | 48   |               | Review all notes per ISO/IEC guidelines (e.g., no normative requirements).                                                                                                                                                                                                                                                                                                                                                                                                               |                   | Action to Dave.            | AinP |        |
| Brocade-030    |          | 48   |               | Shouldn't this be capitalized                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Yes                        | A    | C      |
| Brocade-031    |          | 48   |               | Shouldn't this be capitalized                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Yes                        | A    | C      |
| Brocade-032    |          | 48   |               | virtual links - caps or not?                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | Caps                       | A    | C      |
| Brocade-033    |          | 48   |               | VA_Port to VA_Port virtual links,                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Virtual Links              | AinP | C      |
| Brocade-034    |          | 48   |               | Shouldn't this be capitalized                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Yes                        | A    | C      |
| Brocade-035    |          | 49   |               | VA_Port,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                            | A    | C      |
| Brocade-036    |          | 49   |               | Having trouble parsing these paragraphs...?                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                            | W    | C      |
| Brocade-037    |          | 49   |               | a VA_Port,                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                            | A    | C      |
| Brocade-038    |          | 50   |               | Delete extra space.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                            | A    | C      |
| Brocade-039    |          | 50   |               | Replace with: `Lossless Ethernet may be implemented through the use of some Ethernet extensions. Suitable extensions include the PAUSE mechanism defined in IEEE 802.3-2008, or the Priority-based Flow Control (PFC) mechanism defined in IEEE 802.1Qbb; where FCoE frames shall use a lossless priority (see IEEE 802.1Qbb). The Precision Time Protocol (PTP) may be used to determine link latency (see IEEE 1588-2008 or IEEE 802.1AS).` Also add the acronyms to the acronym list. |                   | Accept the edited comment. | A    | C      |
| Brocade-040    |          | 82   |               | Add line below item j).                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                            | A    | C      |
| Brocade-041    |          | 86   |               | Delete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                            | A    | C      |
| Brocade-042    |          | 89   |               | Review all instances of when versus if.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Action to Dave.            | A    |        |
| Brocade-043    |          | 108  |               | VA_Port to VA_Port Virtual Links,                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                            | A    | C      |

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| Brocade-044    |          | 108  |               | Replace with description of proper implementation with a list of required characteristics. Example text: `...a proper implementation of appropriate Ethernet extension allows a full duplex Ethernet link to provide a lossless behavior equivalent to the one provided by the buffer-to-buffer credit mechanism (see FC-FS-3) provided the following extensions are utilized: - The PAUSE mechanism defined in IEEE 802.3-2008. - The Priority-based Flow Control (PFC) mechanism defined in IEEE 802.1Qbb; where, FCOE frames shall use a lossless priority (see IEEE 802.1Qbb). - The Precision Time Protocol (PTP) mechanism defined in IEEE 1588-2008; where, PTP is limited to determine link latency.` |                   | See Juniper-011.  | AinP | C                       |
| Brocade-045    |          | 108  |               | No text per a Distributed FCF provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | See Cisco-Late-08 | AinP | C                       |
| Brocade-046    |          | 109  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-047    |          | 109  |               | Add outer line border to all figures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | Action to Dave.   | A    | C                       |
| Brocade-048    |          | 109  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-049    |          | 110  |               | dashed lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                   | A    | C                       |
| Brocade-050    |          | 110  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-051    |          | 110  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-052    |          | 111  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-053    |          | 111  |               | VN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                   | A    | C                       |
| Brocade-054    |          | 111  |               | Should be bold font.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                   | A    | C                       |
| Brocade-055    |          | 111  |               | dashed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                   | A    | C                       |
| Brocade-056    |          | 111  |               | There is no FCF A in the diagram. Only FCF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | See Oracle-3      | AinP | C                       |
| Brocade-057    |          | 112  |               | have                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | By an Italian!!!! | R    | C                       |
| Brocade-058    |          | 113  |               | upon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                   | A    | C<br>dap - use "during" |
| Brocade-059    |          | 113  |               | upon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                   | A    | C<br>dap - use "during" |
| Brocade-060    |          | 113  |               | (see 7.7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   | A    | C                       |

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| Brocade-061    |          | 114  |               | A VN2VN ENode MAC has one or more VN_Port(s), called VN2VN_Port(s), dedicated to the instantiation of VN_Port to VN_Port Virtual Links.                               |                   | See EMC-021                                        | A    | C                                                              |
| Brocade-062    |          | 114  |               | address identifiers Use address identifier, not N_Port_ID, globally.                                                                                                  |                   | Change the few `address identifiers` to N_Port_ID. | AinP | C<br>dap - change Address Identifier to N_Port_ID in table 41? |
| Brocade-063    |          | 114  |               | The constant VN2VN-FC-MAP has the value 0EFD00h.                                                                                                                      |                   | Resolved by 13-138v2                               | AinP | C                                                              |
| Brocade-064    |          | 114  |               | VN2VN-FC-MAP (see table 54). Add VN2VN-FC-MAP to table 54.                                                                                                            |                   | Resolved by 13-138v2                               | AinP | C                                                              |
| Brocade-065    |          | 114  |               | There are no other instances of Fabric FC-MAP.                                                                                                                        |                   | Resolved by 13-138v2                               | AinP | C                                                              |
| Brocade-066    |          | 115  |               | Don't see how figure 33 shows that Locally Unique N_Port_IDs shall not conflict with and shall be independent from the N_Port_IDs assigned by a Fibre Channel Fabric. |                   | See IBM-020                                        | AinP | C                                                              |
| Brocade-067    |          | 115  |               | either                                                                                                                                                                |                   |                                                    | A    | C                                                              |
| Brocade-068    |          | 115  |               | Locally Unique N_Port_IDs shall be in the range 000001h to 00FFFEh, inclusive.                                                                                        |                   |                                                    | A    | C                                                              |
| Brocade-069    |          | 116  |               | This sentence states the obvious and provide little value.                                                                                                            |                   | Remove the sentence.                               | A    | C                                                              |

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| Brocade-070    |          | 116  |               | The Lossless Ethernet bridging element does not belong in the model. No issue with stating `Each FCF-MAC may be coupled with a Lossless Ethernet bridging element (see IEEE 802.... |                   | <p>Add: "Note 15: The set of FC Switching Element, VE_Ports, VF_Ports, E_Ports (if any), and F_Ports (if any) is referred to as the Fibre Channel component of an FCF. The set of FCoE_LEPs and FCoE Controllers is referred to as the FCoE component of an FCF. The set of Lossless Ethernet MACs and Lossless Ethernet Bridging Elements (if any) is referred to as the Ethernet component of an FCF.</p> <p>Note XX(FDF): The set of FCDF Switching Element, VA_Ports, VF_Ports, A_Ports (if any), and F_Ports (if any) is referred to as the Fibre Channel component of an FDF. The set of FCoE_LEPs and FCoE Controllers is referred to as the FCoE component of an FDF. The set of Lossless Ethernet MACs and Lossless Ethernet Bridging Elements (if any) is</p> | AinP | C<br>dap - The text should not be a note. Also need to remove "(if any)". |
| Brocade-071    |          | 116  |               | Review all instances of `when` and change to `if` if appropriate.                                                                                                                   |                   | See Brocade-042                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AinP | C                                                                         |
| Brocade-072    |          | 116  |               | Should be If                                                                                                                                                                        |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C                                                                         |
| Brocade-073    |          | 117  |               | transmits                                                                                                                                                                           |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C                                                                         |
| Brocade-074    |          | 117  |               | upon                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C<br>dap - during                                                         |
| Brocade-075    |          | 117  |               | upon                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C<br>dap - during                                                         |
| Brocade-076    |          | 117  |               | in                                                                                                                                                                                  |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C                                                                         |
| Brocade-077    |          | 117  |               | transmits                                                                                                                                                                           |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C                                                                         |
| Brocade-078    |          | 117  |               | initiates                                                                                                                                                                           |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A    | C                                                                         |

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| Brocade-079    |          | 117  |               | decapsulation or de-encapsulation<br>Pick one and be consistent.                                                                  |                   | Editor to pick<br>`decapsulation` and be<br>consistent.     | A    | C                                                                 |
| Brocade-080    |          | 118  |               | Where/when does the<br>VF_Port/FCoE_LEP verify the D_ID is<br>correct?                                                            |                   | This should be S_ID.                                        | AinP | C                                                                 |
| Brocade-081    |          | 118  |               | VA_Ports,                                                                                                                         |                   |                                                             | R    | C<br>dap - VA_Ports is not<br>appropriate for FCF<br>model clause |
| Brocade-082    |          | 119  |               | s                                                                                                                                 |                   |                                                             | A    | C                                                                 |
| Brocade-083    |          | 120  |               | i.e.,                                                                                                                             |                   |                                                             | A    | C                                                                 |
| Brocade-084    |          | 120  |               | i.e.,                                                                                                                             |                   |                                                             | A    | C                                                                 |
| Brocade-085    |          | 120  |               | s                                                                                                                                 |                   |                                                             | A    | C                                                                 |
| Brocade-086    |          | 120  |               | i.e.,                                                                                                                             |                   |                                                             | A    | C                                                                 |
| Brocade-087    |          | 121  |               | Acronym VL is not defined.                                                                                                        |                   | Define the acronym, VL:<br>Virtual Link                     | AinP | C<br>dap - added to 3.7.1                                         |
| Brocade-088    |          | 121  |               | lower case                                                                                                                        |                   |                                                             | A    | C                                                                 |
| Brocade-089    |          | 122  |               | i.e.,                                                                                                                             |                   |                                                             | A    | C<br>dap - (FPMA) removed                                         |
| Brocade-090    |          | 122  |               | Stating ENodes shall use FPMA as<br>VN_Port MAC addresses again is<br>redundant (i.e., see first sentence in<br>subclause).       |                   | Resolved by 13-138v2                                        | AinP | C                                                                 |
| Brocade-091    |          | 122  |               | i.e.,                                                                                                                             |                   |                                                             | A    | C                                                                 |
| Brocade-092    |          | 122  |               | s                                                                                                                                 |                   |                                                             | A    | C<br>dap - (FPMA) removed                                         |
| Brocade-093    |          | 122  |               | shall                                                                                                                             |                   |                                                             | A    | C                                                                 |
| Brocade-094    |          | 122  |               | inclusive                                                                                                                         |                   |                                                             | A    | C                                                                 |
| Brocade-095    |          | 123  |               | 22                                                                                                                                |                   | Make it a link                                              | A    | C                                                                 |
| Brocade-096    |          | 123  |               | set                                                                                                                               |                   |                                                             | A    | C                                                                 |
| Brocade-097    |          | 125  |               | manner                                                                                                                            |                   |                                                             | A    | C                                                                 |
| Brocade-098    |          | 125  |               | The diagram refers informatively to<br>static VLAN configurations and default<br>FCoE VLANs. Should the overview<br>include this? |                   | No need in the overview<br>for this detail.                 | R    | C                                                                 |
| Brocade-099    |          | 125  |               | the VLANs that provide FC-BB_E<br>services                                                                                        |                   | Change to VLANs where FC-<br>BB_E is used.                  | AinP | C                                                                 |
| Brocade-100    |          | 125  |               | example                                                                                                                           |                   |                                                             | A    | C                                                                 |
| Brocade-101    |          | 126  |               | What is `this`? Replace with<br>ENode/FCF VLAN discovery?                                                                         |                   | Refers to periodic<br>transmission of FIP VLAN<br>Requests. | AinP | C                                                                 |
| Brocade-102    |          | 126  |               | instantiate additional?                                                                                                           |                   | See EMC-048                                                 | AinP | C                                                                 |
| Brocade-103    |          | 126  |               | then the                                                                                                                          |                   |                                                             | A    | C                                                                 |



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| Brocade-104    |          | 126  |               | Not sure what this is trying to say. Are we not simply saying that to discover the FCF/FCF VLANs, discovery may take up to this much time?                                                       |                   | See Brocade-109                                    | AinP | C      |
| Brocade-105    |          | 126  |               | What is `this`? Replace with FCF/FCF VLAN Discovery                                                                                                                                              |                   |                                                    | A    | C      |
| Brocade-106    |          | 126  |               | then the                                                                                                                                                                                         |                   |                                                    | A    | C      |
| Brocade-107    |          | 126  |               | manner                                                                                                                                                                                           |                   |                                                    | A    | C      |
| Brocade-108    |          | 126  |               | then that ...                                                                                                                                                                                    |                   |                                                    | A    | C      |
| Brocade-109    |          | 126  |               | Not sure what this is trying to say. Are we not simply saying that to discover the ENode/FCF VLANs, discovery may take up to this much time?                                                     |                   | Change to `physical network configuration changes` | AinP | C      |
| Brocade-110    |          | 126  |               | then that ... Also do a global review                                                                                                                                                            |                   |                                                    | A    | C      |
| Brocade-111    |          | 127  |               | An                                                                                                                                                                                               |                   |                                                    | A    | C      |
| Brocade-112    |          | 127  |               | the specified                                                                                                                                                                                    |                   | the provided                                       | AinP | C      |
| Brocade-113    |          | 127  |               | STRIKE-OUT                                                                                                                                                                                       |                   |                                                    | A    | C      |
| Brocade-114    |          | 127  |               | STRIKE-OUT                                                                                                                                                                                       |                   |                                                    | A    | C      |
| Brocade-115    |          | 127  |               | s                                                                                                                                                                                                |                   |                                                    | A    | C      |
| Brocade-116    |          | 127  |               | Should be VN2VN ENode MAC.                                                                                                                                                                       |                   |                                                    | A    | C      |
| Brocade-117    |          | 127  |               | What happens when a VN2VN ENode is not configured to provide VLANs?                                                                                                                              |                   | Such an ENode ignores the request.                 | AinP | C      |
| Brocade-118    |          | 127  |               | Comment on 7.9.6 states that the definition is occurring after the use of All-VN2VN-ENode-MACs. Otherwise some reference to the section 7.9.6 which defines All_VN2VN-ENode-MACS should be here. |                   | See EMC-045                                        | AinP | C      |
| Brocade-119    |          | 127  |               | STRIKE-OUT                                                                                                                                                                                       |                   |                                                    | A    | C      |
| Brocade-120    |          | 128  |               |                                                                                                                                                                                                  |                   |                                                    |      | C      |
| Brocade-121    |          | 129  |               | manner                                                                                                                                                                                           |                   |                                                    | A    | C      |
| Brocade-122    |          | 129  |               | VN2VN ENode Discovery                                                                                                                                                                            |                   | VN2VN ENode VLAN discovery                         | AinP | C      |
| Brocade-123    |          | 129  |               | Not sure what this is trying to say. Are we not simply saying that to discover the VN2VN Enode VLANs, discovery may take up to this much time?                                                   |                   | See Brocade-109                                    | AinP | C      |
| Brocade-124    |          | 129  |               | FC-SW-6                                                                                                                                                                                          |                   |                                                    | A    | C      |

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| Brocade-125    |          | 129  |               | then                                                                         |                   |                                                                                                                   | A    | C      |
| Brocade-126    |          | 129  |               | STRIKE-OUT                                                                   |                   |                                                                                                                   | A    | C      |
| Brocade-127    |          | 129  |               | STRIKE-OUT                                                                   |                   |                                                                                                                   | A    | C      |
| Brocade-128    |          | 129  |               | then the VN2VN ENode whose configuration of VLANs changed                    |                   | Fine as is                                                                                                        | R    | C      |
| Brocade-129    |          | 131  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-130    |          | 131  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-131    |          | 133  |               | Delete extra space.                                                          |                   |                                                                                                                   | A    | C      |
| Brocade-132    |          | 133  |               |                                                                              |                   |                                                                                                                   |      |        |
| Brocade-133    |          | 133  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-134    |          | 134  |               | The                                                                          |                   |                                                                                                                   | A    | C      |
| Brocade-135    |          | 134  |               | instantiation                                                                |                   |                                                                                                                   | A    | C      |
| Brocade-136    |          | 134  |               | address                                                                      |                   |                                                                                                                   | R    | C      |
| Brocade-137    |          | 134  |               | provide a reference                                                          |                   |                                                                                                                   | A    | C      |
| Brocade-138    |          | 136  |               | instantiation                                                                |                   |                                                                                                                   | A    | C      |
| Brocade-139    |          | 137  |               | instantiation                                                                |                   |                                                                                                                   | A    | C      |
| Brocade-140    |          | 138  |               | Change to bold font.                                                         |                   |                                                                                                                   | A    | C      |
| Brocade-141    |          | 138  |               | This section to occur before 7.9.2.4 because that uses ALL-VN2VN-ENode-MACS. |                   | See EMC-045                                                                                                       | AinP | C      |
| Brocade-142    |          | 139  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-143    |          | 139  |               | An                                                                           |                   |                                                                                                                   | A    | C      |
| Brocade-144    |          | 140  |               | STRIKE-OUT                                                                   |                   |                                                                                                                   | A    | C      |
| Brocade-145    |          | 140  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-146    |          | 142  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-147    |          | 145  |               | Resolved editor's note.                                                      |                   | Add to the first sentence after `shall be ignored`, `and the event should be logged in a vendor specific manner.` | AinP | C      |
| Brocade-148    |          | 146  |               | manner                                                                       |                   |                                                                                                                   | A    | C      |
| Brocade-149    |          | 150  |               | a                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-150    |          | 150  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-151    |          | 150  |               | a                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-152    |          | 150  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-153    |          | 151  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-154    |          | 151  |               |                                                                              |                   |                                                                                                                   |      |        |
| Brocade-155    |          | 151  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-156    |          | 153  |               | .                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-157    |          | 155  |               | Increase column size.                                                        |                   |                                                                                                                   | A    | C      |
| Brocade-158    |          | 161  |               | a                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-159    |          | 161  |               | ,                                                                            |                   |                                                                                                                   | A    | C      |
| Brocade-160    |          | 161  |               |                                                                              |                   |                                                                                                                   |      | C      |

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| Brocade-161    |          | 161  |               | Review use of capitalization globally i.e., do not use caps if not needed.                                                                                                                                                    |                   | Action to Dave                                                  | A    |        |
| Brocade-162    |          | 161  |               | STRIKE-OUT                                                                                                                                                                                                                    |                   |                                                                 | A    | C      |
| Brocade-163    |          | 162  |               | STRIKE-OUT                                                                                                                                                                                                                    |                   |                                                                 | A    | C      |
| Brocade-164    |          | 162  |               | STRIKE-OUT                                                                                                                                                                                                                    |                   |                                                                 | A    | C      |
| Brocade-165    |          | 162  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-166    |          | 162  |               | STRIKE-OUT                                                                                                                                                                                                                    |                   |                                                                 | A    | C      |
| Brocade-167    |          | 162  |               | a                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-168    |          | 162  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-169    |          | 162  |               | a                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-170    |          | 162  |               | Specify the behavior if the FPMA is not properly formed.                                                                                                                                                                      |                   | See EMC-118                                                     | AinP | C      |
| Brocade-171    |          | 163  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-172    |          | 163  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-173    |          | 163  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-174    |          | 164  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-175    |          | 164  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-176    |          | 164  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-177    |          | 165  |               | What other name would it be set to?                                                                                                                                                                                           |                   | Change to shall                                                 | AinP | C      |
| Brocade-178    |          | 166  |               | What other name would it be set to?                                                                                                                                                                                           |                   | Change to shall                                                 | AinP | C      |
| Brocade-179    |          | 166  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-180    |          | 166  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-181    |          | 167  |               | i.e.,                                                                                                                                                                                                                         |                   |                                                                 | A    | C      |
| Brocade-182    |          | 167  |               | i.e.,                                                                                                                                                                                                                         |                   |                                                                 | A    | C      |
| Brocade-183    |          | 167  |               | i.e.,                                                                                                                                                                                                                         |                   |                                                                 | A    | C      |
| Brocade-184    |          | 168  |               | i.e.,                                                                                                                                                                                                                         |                   |                                                                 | A    | C      |
| Brocade-185    |          | 168  |               | ,                                                                                                                                                                                                                             |                   |                                                                 | A    | C      |
| Brocade-186    |          | 169  |               | Should be shall.                                                                                                                                                                                                              |                   | Remove `should respond with`                                    | AinP | C      |
| Brocade-187    |          | 172  |               | The Distributed FCF model currently does not support more than two Controlling FCFs. Implement changes per 13-017.                                                                                                            |                   | Resolved by 13-141v1.                                           | R    | C      |
| Brocade-188    |          | 172  |               | The Distributed FCF text in FC-BB-6 is dependent on finalized FC-SW-6 Distributed Switch text. As such this draft standard must not be forwarded to public review until FC-SW-6 letter ballot comment resolution is complete. |                   | With 13-141v1 FC-BB-6 is independent from any FC-SW-6 behavior. | O    |        |

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| Brocade-189    |          | 173  |               | I don't think we resolved the relationship between Switch_Name and virtual domain. The implication in this statement is that a Controlling FCF can use one Switch_Name for more than one Domain_ID; however, I thought it was determined that a one to one relationship between Switch_Name and Domain_ID was necessary.                                                                                                                            |                   | Resolved by 13-141v1. | AinP | C      |
| Brocade-190    |          | 173  |               | The statement that at least two Augmented VE_Port to VE_Port virtual links is ambiguous and should be removed. A single VE_Port to VE_Port Virtual Link is all that is needed to support the redundancy protocol. Furthermore, the model supports multiple VE_Ports over a single physical Lossless Ethernet connection. Both the diagram and the text imply, but do not designate, that the two Augmented links are two physically separate links. |                   | Resolved by 13-141v1. | AinP | C      |
| Brocade-191    |          | 181  |               | the                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                       | A    | C      |
| Brocade-192    |          | 181  |               | the                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                       | A    | C      |
| IBM-001        |          | 13   |               | IBM-R1:E:: Change bar indicated here, but no change bars indicated in section 4.4.1. What was the change?                                                                                                                                                                                                                                                                                                                                           |                   | Ask FrameMaker... ;)  | W    | C      |
| IBM-002        |          | 29   |               | IBM-P1:E:: a port capable                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                       | A    | C      |
| IBM-003        |          | 29   |               | IBM-P2:E:: reference? definition? (for Transport Trail)                                                                                                                                                                                                                                                                                                                                                                                             |                   | add (see 3.3.14)      | AinP | C      |
| IBM-004        |          | 29   |               | IBM-S1:E:: Update definitions to conform to style guide requirements for ISO certification                                                                                                                                                                                                                                                                                                                                                          |                   | See Brocade-014       | AinP | C      |
| IBM-005        |          | 34   |               | IBM-P3:T:: and VA_Ports and VN2VN_Ports Also add this list to FCoE Entity                                                                                                                                                                                                                                                                                                                                                                           |                   | As suggested          | A    | C      |
| IBM-006        |          | 34   |               | IBM-P4:E:: Should FCDF also be defined or a reference to SW-6 added?                                                                                                                                                                                                                                                                                                                                                                                |                   | Fixed in 13-141v1     | AinP | C      |

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| IBM-007        |          | 35   |               | IBM-p5:E:: The term `LCF` is not previously defined. Define or add (see FC-FS-3)                                                                                                                                                                                                                                                                             |                   | Add (see FC-FS-3), also for PF_Port and PE_Port.                                                                                            | AinP | C      |
| IBM-008        |          | 36   |               | IBM-37:E::Add the following definitions: N_Port_ID P2P Claim Notification: a FIP N_Port_ID Claim Notification with the Rec/P2P bit set to 1. N_Port_ID P2P Claim Response: a FIP N_Port_ID Claim with the Rec/P2P bit set to 1                                                                                                                               |                   | As suggested                                                                                                                                | A    | C      |
| IBM-009        |          | 40   |               | and FDFs? or `including distributed FCFs`?                                                                                                                                                                                                                                                                                                                   |                   | See Cisco-Late-03                                                                                                                           | AinP | C      |
| IBM-010        |          | 48   |               | IBM-R3:T:: This statement needs to include VA_Port to VA_Port virtual links.                                                                                                                                                                                                                                                                                 |                   | Dave to fix.                                                                                                                                | A    | C      |
| IBM-011        |          | 49   |               | IBM-R2:T:: VA_Port should be included in this list, and perhaps a reference to FC-SW-6                                                                                                                                                                                                                                                                       |                   | No need to reference FC-SW-6                                                                                                                | A    | C      |
| IBM-012        |          | 49   |               | IBM-R2:E:: See IBM-R2                                                                                                                                                                                                                                                                                                                                        |                   |                                                                                                                                             | A    | C      |
| IBM-013        |          | 50   |               | IBM-H1:T:: What is the scope of this requirement? A strict interpretation would require that all frames between a given pair of endpoints arrive in the same order that they were sent. That would also preclude the use of exchange based hashing on aggregated ethernet links which, in turn, disallows the use of a significant load balancing mechanism. |                   | See Juniper-006.                                                                                                                            | AinP | C      |
| IBM-014        |          | 51   |               | IBM-p6:E:: `A proper implementation of Ethernet extensions...` - words in bold need to be added (consistent with wording in 4.3.4)                                                                                                                                                                                                                           |                   | Change to `FC-BB_E devices rely on proper implementation of Ethernet extensions for flow control of FCoE frames`                            | AinP | C      |
| IBM-015        |          | 111  |               | IBM-R14:E:: These are VN2VN_Ports                                                                                                                                                                                                                                                                                                                            |                   | VN2VNPorts are VN_Ports, so the diagram is correct. Moreover, VN2VN_Ports are introduced later in the document, in section 7.4. Keep as is. | R    | C      |

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| IBM-016        |          | 112  |               | IBM-R46:T:: Replace this statement (modified from it's original text): Although it will function with only two VN2VN ENode MACs visible to each other over a Lossless Ethernet network, the point-to-point protocol is intended for the case of two VN2VN ENode MACs connected through a single cable so that certain assumptions can be made for faster initialization (e.g. elimination of Probe Requests and associated delays). |                   | Add `The point-to-point protocol enables faster initialization for the case of two VN2VN ENode MACs connected through a single cable or for the case of only two VN2VN ENode MACs visible to each other over a Lossless Ethernet network (i.e., N_Port_ID Probe Requests are not used).` | AinP | C      |
| IBM-017        |          | 113  |               | IBM-R10:T:: Refer to FC-LS-3 and FC-FS-4 as there are behaviors there that are preferred for FCoE VN_Ports (e.g. phy type identification in RNID)                                                                                                                                                                                                                                                                                   |                   | Dave to update the references globally.                                                                                                                                                                                                                                                  | AinP | C      |
| IBM-018        |          | 114  |               | IBM-R11:T:: The 2 stacks on the left should be shown as optional with brackets. A VN2VN Enode does not have to also provide FC_BB_E Fabric connectivity.                                                                                                                                                                                                                                                                            |                   | Better to keep as is.                                                                                                                                                                                                                                                                    | R    | C      |
| IBM-019        |          | 114  |               | IBM-R12:T:: This sentence only applies to multi-point mode. Change to: When operating in a multi-point mode, the FCoE Controller ...                                                                                                                                                                                                                                                                                                |                   | Change to "When operating in multi-node mode, the FCoE Controller..."                                                                                                                                                                                                                    | AinP | C      |
| IBM-020        |          | 115  |               | IBM-R13:E:: Figure 33 does not show anything about N_Port IDs. Say: Figure 33 shows a mixed FCoE network consisting of both VN_Port to VF_Port virtual links and VN_Port to VN_Port virtual links. In such a configuration, Locally Unique N_Port IDs                                                                                                                                                                               |                   | As suggested                                                                                                                                                                                                                                                                             | A    | C      |

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| IBM-021        |          | 115  |               | IBM-R15:T:: At the end of 7.4 VN2VN ENode functional model, add the section that summarizes the responsibilities of the FCoE Controller as is provided in the other functional models. e.g.; For a VN2VN ENode's MAC, the FCoE Controller: a) makes up a LUID b) Probes (if multi-point) c) Claims d) Beacons e) instantiates VN_Port to VN_Port virtual links f) deinstantiates (implicit and explicit using LOGO) g) monitors the status of VN_Port to VN_Port virtual links ..... |                   | Add before the last paragraph: "For a VN2VN ENode's MAC, the FCoE Controller:<br>a) may participate in Fabric operations (see 7.3);<br>b) operates in either multi-node mode or point-to-point mode;<br>c) optionally initiates the FIP VLAN discovery protocol to discover FCoE VLANs (see 7.9.2.4);<br>d) selects a tentative Locally Unique N_Port_ID (see 7.9.6.1);<br>e) if operating in multi-node mode, then probes the network about the selected Locally Unique N_Port_ID (see 7.9.6.2.1);<br>f) claims the selected Locally Unique N_Port_ID (see 7.9.6.2.2 and 7.9.6.3.1)<br>g) instantiates VN_Port to VN_Port Virtual Links through FIP FLOGI Exchanges (see 7.9.4.3);<br>h) optionally de-instantiates VN_Port to | AinP | C      |
| IBM-022        |          | 118  |               | IBM-R16:E:: The distributed switch content should be integrated with the similar concepts in this document. e.g. The cFCF and FDF functional models should be here.                                                                                                                                                                                                                                                                                                                  |                   | Resolved by 13-141v1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AinP | C      |
| IBM-023        |          | 122  |               | IBM-R16:E:: The distributed switch content should be integrated with the similar concepts in this document. e.g. The VA_Port to VA_Port virtual links should be here. (from 7.12.4)                                                                                                                                                                                                                                                                                                  |                   | Resolved by 13-141v1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AinP | C      |

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| IBM-024        |          | 122  |               | IBM-R18:T:: Need to add in text for VN2VN_Port MAC addresses or insert a 7.8 section. They use FPMAs. They are not used with FCFs. They don't come from FCFs They use a different FC-MAP |                   | Resolved by 13-138v2                                                                                                                                   | AinP | C      |
| IBM-025        |          | 122  |               | IBM-R17:E:: This is redundant to the first sentence in this section. Strike it.                                                                                                          |                   | Editor to fix.                                                                                                                                         | AinP | C      |
| IBM-026        |          | 124  |               | IBM-R19:T:: There is no protocol use defined for this address. Remove this and the address from table 54. If left in, for whatever reason, the next sentence contradicts this one.       |                   | Remove the sentence: "An ENode MAC shall discard a FIP message destined to an address other than its ENode MAC address or the All-ENode-MACs address." | AinP | C      |
| IBM-027        |          | 124  |               | IBM-20:T:: This and the previous sentence need to be updated to include VN2VN MAC addresses All-VN2VN-ENode-MACs and All-P2P-ENode-MACs                                                  |                   | See EMC-045                                                                                                                                            | AinP | C      |
| IBM-028        |          | 126  |               | IBM-R21:E:: Missing title                                                                                                                                                                |                   | Add the title that was in the approved proposal                                                                                                        | AinP | C      |
| IBM-029        |          | 128  |               | IBM:R23:E:: may determine                                                                                                                                                                |                   | As suggested                                                                                                                                           | A    | C      |
| IBM-030        |          | 129  |               | IBM:22:T:: one or more                                                                                                                                                                   |                   |                                                                                                                                                        | A    | C      |
| IBM-031        |          | 129  |               | IBM-R24:T:: What if the vlan on which the virtual link is established is removed from the configuration? CVL? (Same question applies to fabric case).                                    |                   | See EMC-048.                                                                                                                                           | AinP | C      |
| IBM-032        |          | 133  |               | IBM-H2:T:: Can we relax this restriction for adverts/solicitations between the cFCF and FDF so we can allow the FC-MAP to be distributed to the FDFs?                                    |                   |                                                                                                                                                        | W    | C      |
| IBM-033        |          | 134  |               | IBM-R25:E:: add (see 7.9.6)                                                                                                                                                              |                   |                                                                                                                                                        | A    | C      |
| IBM-034        |          | 136  |               | IBM-P7:E:: ...not logged in...                                                                                                                                                           |                   |                                                                                                                                                        | A    | C      |
| IBM-035        |          | 138  |               | IBM-R26:E:: change per to from (there is only one)                                                                                                                                       |                   |                                                                                                                                                        | A    | C      |
| IBM-036        |          | 138  |               | IBM:R-27:E:: Make bold.                                                                                                                                                                  |                   |                                                                                                                                                        | A    | C      |



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| IBM-037        |          | 138  |               | IBM-47:T:: ALL_ENODE_MACS must also be enabled to detect the presence of an FCF (advertisements). This at least needs to be stated as an option. (see 7.9..3.1 - `At any time, upon receiving a N_Port_ID Probe Request, a N_Port_ID Claim Notification, a N_Port_ID Beacon, or a FIP Advertisement, a VN2VN ENode MAC operating in point-to-point mode shall cease the point-to-point operations.`                                                                     |                   | See EMC-045. Remove "shall enable reception of frames sent to both MAC addresses, All-VN2VN-ENode-MACs and All-PT2PT-ENode-MACs," from the sentence. | AinP | C      |
| IBM-038        |          | 141  |               | IBM-R48:T:: Clarify that this means that the more than one Claim Responses are from different VN2VN_Ports in response to a single claim request.                                                                                                                                                                                                                                                                                                                        |                   | Change to `are received from different VN2VN ENode MACs`                                                                                             | AinP | C      |
| IBM-039        |          | 141  |               | IBM-R49:T:: Note regarding QLogic comment from 12-129v1 that was dropped. Should there be interlock with other VN2VN before FLOGI (i.e received BEACON) ?                                                                                                                                                                                                                                                                                                               |                   | Resolved by 13-246v1.                                                                                                                                | AinP | C      |
| IBM-040        |          | 142  |               | IBM-R28:E:: Move this to 7.10 Timers and Constants.                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                      | A    | C      |
| IBM-041        |          | 143  |               | IBM-R29:E:: One and two character bit names are lame. Make this a FIP Flags field and define in text in a more traditional way with full length bit names and bit numbers. The description of the bits below is in a random order and inconsistent with other bit definitions in this document. State the bit name in bold and state word and bit numbers in definition. (case in point, there are two `D` bits in this spec. I dare you to search for the uses of `D`) |                   | Dave to look at it.                                                                                                                                  | O    |        |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                   | Proposed Solution | Resolution                                                                                                      | Key  | Status                |
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| IBM-042        |          | 145  |               | IBM-p8:T:: So what if these bits are set on other FIP ops? Per pg. 17, `receipt of reserved code values in defined fields shall be reported as an error.` This is a value in a defined field that is invalid in the context of 'all other FIP operations` |                   | Change the definition in 3.9.7 to require receivers to not check reserved bits (see Cisco-Late-02).             | AinP | dap - discuss with WG |
| IBM-043        |          | 146  |               | IBM-R30:E:: Describe this bit more fully, including when it is the REC(ordered) bit (in Probes) and when it is a P2P bit (in Claims, Claim Response, and Beacon). Reserved otherwise?                                                                     |                   | See Craig's comment on defining these two terms - Qlogic-037                                                    | AinP | C                     |
| IBM-044        |          | 146  |               | IBM-p9:T:: For item 'e' below in at least one case use of an invalid value for MAC addresses is not reported in a vendor specific way...in a FLOGI invalid MAC @ values are reported via LS_RJT per page 142 section 7.9.8.4.2                            |                   | No action.                                                                                                      | AinP | dap - ?               |
| IBM-045        |          | 150  |               | IBM-R4:E:: All occurrences of `FLOGI` in this paragraph should be FDISC instead.                                                                                                                                                                          |                   |                                                                                                                 | A    | C                     |
| IBM-046        |          | 152  |               | IBM-R5:T:: This definition should be more descriptive. Is this an OUI value? What makes it unique?                                                                                                                                                        |                   | T10 Vendor_ID value. See Cisco-15                                                                               | AinP | C                     |
| IBM-047        |          | 155  |               | IBM-R6:T:: Add FIP Keep Alive received when not logged in. (Need both VN_Port and E_Node flavors as done for timeouts above?)                                                                                                                             |                   | Add to the table: "05h, FIP Keep Alive received when no Virtual Link is instantiated, and 06h, Implicit Logout" | AinP | C                     |
| IBM-048        |          | 155  |               | IBM-R7:T:: Add code for Implicit Logout (the case we added in Virtual Link Maintenance)                                                                                                                                                                   |                   | See IBM-047                                                                                                     | AinP | C                     |
| IBM-049        |          | 157  |               | IBM-R31:E:: Add or FCF and put the footnote on FCF. It is allowed, therefore it should be here.                                                                                                                                                           |                   |                                                                                                                 | A    | C                     |
| IBM-050        |          | 157  |               | IBM-R32:E:: This should be FCF or ENode (not just VN2VN ENode) because it is allowed for a ENode to receive FIP LOGO. Put the footnote on the ENode. Same with next row.                                                                                  |                   |                                                                                                                 | A    | C                     |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                          | Proposed Solution | Resolution                                    | Key  | Status |
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| IBM-051        |          | 162  |               | We've never fully worked out the recovery scenarios regarding exposures of not fully cleaning up prior operations before new ones are initiated if no ABTS is used                                                                                                                               |                   | Now specified in FC-LS-3.                     | R    | C      |
| IBM-052        |          | 162  |               | IBM-R33:E:: Remove extra b), c), d)                                                                                                                                                                                                                                                              |                   |                                               | A    | C      |
| IBM-053        |          | 162  |               | IBM-34:T:T change to MAC Address field of the MAC address descriptor not set to zero.                                                                                                                                                                                                            |                   |                                               | A    | C      |
| IBM-054        |          | 163  |               | We've never fully worked out the recovery scenarios regarding exposures of not fully cleaning up prior operations before new ones are initiated if no ABTS is used                                                                                                                               |                   | Now specified in FC-LS-3.                     | R    | C      |
| IBM-055        |          | 163  |               | IBM-R35:T:: This wording needs the same treatment as was given for FLOGI (although the arguments for the S_ID = 0 on FLOGI don't apply here or in FDISC)                                                                                                                                         |                   | Keep the wording as is.                       | R    | C      |
| IBM-056        |          | 165  |               | IBM-R8:T:: State the behavior for receiving a CVL with an empty list. After this sentence, add the following: The FCoE Controller of a receiving ENode MAC shall de-instantiate all existing virtual links with the originating FCF-MAC when no Vx_Port Identification descriptors are specified |                   | The behavior is already specified in 7.9.5.2. | R    | C      |
| IBM-057        |          | 165  |               | IBM-R9:T:: Need to add the case for de-instantiate of a VA_Port to VA_Port virtual link. (i.e. using FFFFAh and A_Port_Name). Suggest duplication of these 2 paragraphs and changing the terms appropriately.                                                                                    |                   | Resolved by 13-225v1.                         | AinP | C      |
| IBM-058        |          | 166  |               | IBM-R36:E:: originating ENode (as was done in 7.9.8.7). Also fix in sections 7.9.8.11, 7.9.8.12, 7.9.8.13.                                                                                                                                                                                       |                   |                                               | A    | C      |
| IBM-059        |          | 168  |               | See prior comment. There is no protocol associated with this address, certainly not in 7.9.1 - remove.                                                                                                                                                                                           |                   | See EMC-045.                                  | R    | C      |
| IBM-060        |          | 174  |               | IBM-P10:E:: Figure 47                                                                                                                                                                                                                                                                            |                   | Resolved by 13-141v1                          | AinP | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Proposed Solution | Resolution                                                                                                                                                                                                                                                                                                                                                      | Key  | Status |
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| IBM-061        |          | 174  |               | IBM-P1:E:: at least one switch name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | Resolved by 13-141v1                                                                                                                                                                                                                                                                                                                                            | AinP | C      |
| IBM-062        |          | 174  |               | IBM-38:T:: Add a statement that says that the primary and secondary controlling switches shall use the same switch name(s) that is associated with the Virtual Domain ID(s) used for the distributed switch.                                                                                                                                                                                                                                                                                                                                    |                   | Resolved by 13-141v1                                                                                                                                                                                                                                                                                                                                            | AinP | C      |
| IBM-063        |          | 175  |               | IBM-R39:T:: Should the configuration also include the switch name used for the virtual domain?                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Resolved by 13-141v1                                                                                                                                                                                                                                                                                                                                            | AinP | C      |
| IBM-064        |          | 176  |               | IBM:40:E:: This text is repeated 4 times in this document, in each of the functional models. Define the FCoE_LEP behavior in one place and refer to it.                                                                                                                                                                                                                                                                                                                                                                                         |                   | Dave to do what he likes more                                                                                                                                                                                                                                                                                                                                   | AinP |        |
| IBM-065        |          | 177  |               | IBM-H3:T:: FDF VA_Port Capable MACs do not participate in VLAN discovery, per discussion initiated by 12-199.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | Resolved by 13-224v0.                                                                                                                                                                                                                                                                                                                                           | AinP | C      |
| IBM-066        |          | 179  |               | IBM-H1:T::FC-LS-2, version 2.21, table 33 documents an RSCN event qualifier value to change the fabric name. How does this interact with the BB-5 and BB-6 discovery advertisements? Consider BB-5 with a VF-Port capable MAC sending discovery advertisements to All-ENode-MACs. If the fabric name is changed via this RSCN, at what point does the advertised fabric name get updated? This change was introduced by <a href="http://www.t11.org/ftp/t11/pub/fc/ls-2/10-030v1.pdf">http://www.t11.org/ftp/t11/pub/fc/ls-2/10-030v1.pdf</a> . |                   | The RSCN does not change the Fabric_Name, RSCN is used to communicate a change in the Fabric_Name to logged in Nodes that registers to receive this information. FIP Advertisements and this RSCN processing are independent. When the Fabric_Name change, the change is automatically reflected in the Advertisements, given that Advertisements are periodic. | W    | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                          | Proposed Solution | Resolution                                                                                              | Key  | Status |
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| IBM-067        |          | 180  |               | IBM-P2:T:: If (as in later paragraphs) ELPs received with other invalid bit combos results in a REJ with Reason Code=Protocol Error and Reason Code Explanation='Invalid Request', why is this case unique and ignored? 'Ignored' leads to unnecessary timeouts.                                                                                                                 |                   | See Cisco-19                                                                                            | AinP | C      |
| IBM-068        |          | 180  |               | IBM-R42:E:: Normal ELP rules in SW-6 do not say anything about establishment of virtual links. I think this statement is redundant to the paragraph above this one. Strike this sentence and move the paragraph <del>above this one to here</del>                                                                                                                                |                   | Remove the sentence.                                                                                    | AinP | C      |
| IBM-069        |          | 180  |               | IBM-R43:T:: We need a better statement of when `operational`. We can't rely on a particular numbered state in a separate standard that has not yet been ratified. Suggest changing this to something more general such as when the the controlling switch has the distributed switch configuration, has obtained the Virtual Domain ID and the primary/secondary are in sync.... |                   | Resolved by 13-141v1.                                                                                   | AinP | C      |
| IBM-070        |          | 180  |               | IBM-R44:T:: How does a VA_Port Capable FDF-MAC know that the other MAC is VA?_Port/VE_Port capable? Because it is a controlling switch. So, instead of beating around the bush, just state that: ....with a FCF MAC belonging to a controlling switch                                                                                                                            |                   | Replace "with a VA_Port/VE_Port capable FCF-MAC." with "with a FCF-MAC belonging to a Controlling FCF." | AinP | C      |
| IBM-071        |          | 181  |               | IBM-R45:T:: This only applies after the cFCF set is received in DFMD. Up until then it has to accept any ELPs from controlling switches that could be it's primary                                                                                                                                                                                                               |                   | Remove the entire paragraph.                                                                            | AinP | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Proposed Solution | Resolution                                                                                                                                                                                                                                                                                                                                                             | Key  | Status |
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| IBM-072        |          | 186  |               | IBM-R50:E:: Annex D was added as a separate annex to cover the VN2VN configurations. That annex does not contain all the background and ACL nomenclature that exists above in C.1-C.2, and therefore, does not stand on its own. Either a) words need to be added to this C.3 that indicate this section applies to fabric configurations and does not apply to VN2VN configurations with a reference to Annex D; or b) The Annexes should be combined and properly structured with Fabric and VN2VN topology sections. My preference is for option b). There should only be one annex to describe ACLs. |                   | Create a section C.9 titled "Access Control Lists in a Locally Unique N_Port_ID configuration". Add the following text to this section: When security threats exist in a Locally Unique N_Port_ID configuration, it is important to protect the FCoE traffic with appropriate FCoE ACLs.". Then copy the text from D.2 through D.4 as subsections C.9.1 through C.9.3. | AinP | C      |
| IBM-073        |          | 188  |               | IBM-R51:T:: Insert: For each successful FIP Fabric LOGO or Clear Virtual Links associated with this VN_Port MAC address, the above ACE should be removed.                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | As suggested                                                                                                                                                                                                                                                                                                                                                           | A    | C      |
| IBM-074        |          | 191  |               | IBM-R52:T:: or a FIB Fabric LOGO LS_ACC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Add: "or a FIP Fabric LOGO LS_ACC"                                                                                                                                                                                                                                                                                                                                     | AinP | C      |
| IBM-075        |          | 191  |               | IBM-R53:E:: I am pretty sure that rogue hosts cannot advertise themselves as FCFs in Fibre Channel. Please be specific in what this means.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | Delete the offending sentence and add "A similar vulnerability exists in Fibre Channel in that a rouge device can advertise itself as a Fibre Channel Switch. Therefore, preventing a rogue host from advertising itself as an FCF is beyond the scope of this annex."                                                                                                 | AinP | C      |
| IBM-076        |          | 192  |               | IBM-R54:E:: Make one paragraph, or split last sentence into its own paragraph, since it applies to the whole thing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | Combine the first three sentences into one paragraph and move the last sentence at the beginning of the paragraph                                                                                                                                                                                                                                                      | AinP | C      |

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| IBM-077        |          | 192  |               | IBM-R55:T:: Need to include another ACE for All-PT2PT-ENode-MACs to cover the point to point case. Or; alternatively enable one or the other based on P2P bit in the claim. Fix here and in next ACL                                      |                   | Add the following ACE as the second entry in the ACL where the comment is and as the third entry in the following ACL:<br>"SA = src VN2VN_Port MAC, DA = All-PT2PT-ENode-MACs, Type = FIP_TYPE, permit;" | AinP | C      |
| IBM-078        |          | 193  |               | IBM-R56:T:: Is FIP allowed or denied by default? Should have a Type = FIP_TYPE, deny at the end to block probes, claims and FLOGIs during the join. Also add to next section so they continue to be not allowed while probes are flowing. |                   | Add a semicolon to the end of "Type = FCoE_TYPE deny" and add the following to the end of this ACL:<br>Type=FIP_TYPE, deny<br><br>Do the same for the following ACL                                      | AinP | C      |
| IBM-079        |          | 193  |               | IBM-R56:E:: redundant. milliseconds already in the definition of BEACON_PERIOD Fix all occurrences.                                                                                                                                       |                   | Remove "milliseconds". Check all occurrences in the document.                                                                                                                                            | AinP | C      |
| IBM-080        |          | 193  |               | IBM-R57:T:: Add Type=FIP_TYPE, permit at the end to allow Probes, Claims, FLOGI, etc.                                                                                                                                                     |                   | Add:<br>"Type=FIP_TYPE, permit"<br>at the end of the ACL. Add the needed semicolon at the end of the previous ACE.                                                                                       | AinP | C      |
| IBM-081        |          | 221  |               | IBM-R58:E:: Is this part of the example or part of the documentation? Needs either code comment /* */ or document font.                                                                                                                   |                   | This is part of the documentation, change the font.                                                                                                                                                      | AinP | C      |
| IBM-082        |          | 221  |               | IBM-59:E:: Remove this. Provides no relevant information                                                                                                                                                                                  |                   | As suggested.                                                                                                                                                                                            | A    | C      |
| IBM-083        |          | 221  |               | IBM-R60:T:: These are uninitialized variables. Show initialization placeholders                                                                                                                                                           |                   | Separate these statements from the previous code fragment with a blank line, ellipsis, "n_port_name and enode_mac are initialized here", ellipsis, blank line. All as a C comment.                       | AinP | C      |

| Company number | Tech/Edi | Page | Sec/table/fig | Comment                                                                                                         | Proposed Solution | Resolution                                                                                                                                   | Key  | Status                                        |
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| IBM-084        |          | 222  |               | IBM-R61:E:: Help!                                                                                               |                   | Editor to fix the sentence                                                                                                                   | AinP | C                                             |
| IBM-085        |          | 227  |               | IBM-R61:E:: This is all nice, but are we going to make any recommendation?                                      |                   | This is an informative annex, the standard does not make any specific recommendation. Vendors choose what makes sense for their environment. | AinP | C                                             |
| IBM-086        |          | 227  |               | IBM-R62:T:: FCoE                                                                                                |                   | As suggested.                                                                                                                                | A    | C                                             |
| QLogic-001     |          | 1    |               | 952-687-2431                                                                                                    |                   |                                                                                                                                              | A    | C                                             |
| QLogic-002     |          | 3    |               | various                                                                                                         |                   |                                                                                                                                              | A    | C                                             |
| QLogic-003     |          | 9    |               | various                                                                                                         |                   |                                                                                                                                              | A    | C                                             |
| QLogic-004     |          | 9    |               | 2012                                                                                                            |                   |                                                                                                                                              | A    | C                                             |
| QLogic-005     |          | 26   |               | FC-SP-2                                                                                                         |                   |                                                                                                                                              | A    | C                                             |
| QLogic-006     |          | 27   |               | FC-FS-4, FC-SW-6, FC-LS-3                                                                                       |                   |                                                                                                                                              | A    | C                                             |
| QLogic-007     |          | 27   |               | FC-FS-3 as approved reference                                                                                   |                   |                                                                                                                                              | R    | C<br>dap - added FC-FS-4 as under development |
| QLogic-008     |          | 28   |               | 802.1Q-2011                                                                                                     |                   |                                                                                                                                              | A    | C                                             |
| QLogic-009     |          | 30   |               | What is a `FC-4 channel`?                                                                                       |                   | Remove `channel`                                                                                                                             | AinP | C                                             |
| QLogic-010     |          | 45   |               | What is this `i.e.` trying to say?                                                                              |                   | Remove it.                                                                                                                                   | AinP | C                                             |
| QLogic-011     |          | 50   |               | What is `best practice`? Need a reference, or change this to a note.                                            |                   | Remove `according to the best practice...`. Also change the reference to 802.1Q-2011.                                                        | AinP | C                                             |
| QLogic-012     |          | 111  |               | There is no `FCF A` in Figure 33.                                                                               |                   | See Oracle-3                                                                                                                                 | AinP | C                                             |
| QLogic-013     |          | 112  |               | I don't see any `bracketed` components.                                                                         |                   | Look better... ;)                                                                                                                            | R    | C                                             |
| QLogic-014     |          | 113  |               | This item should be written take into account VN2VN connections. There are no VF_Ports to monitor in that case. |                   | No VN2VN here. They are in the following section.                                                                                            | R    | C                                             |
| QLogic-015     |          | 113  |               | What about VN2VN?                                                                                               |                   | No VN2VN here.                                                                                                                               | R    | C                                             |
| QLogic-016     |          | 113  |               | What about VN2VN?                                                                                               |                   | No VN2VN here.                                                                                                                               | R    | C                                             |
| QLogic-017     |          | 113  |               | Even in the case of VN2VN topology?                                                                             |                   | No VN2VN here.                                                                                                                               | R    | C                                             |



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| QLogic-018     |          | 114  |               | This seem unclear... Is the FIP FLOGI used during point-to-multi-point operation? Or, just during point-to-point operation? Also, need a statement someplace that the point-to-point operation proceeds as the point-to-point operation if FC-LS-3.                                                                                                                                                                                               |                   | Resolved by 13-247v0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AinP | C      |
| QLogic-019     |          | 115  |               | If either check fails the FCoE frame shall be discarded.                                                                                                                                                                                                                                                                                                                                                                                          |                   | See Brocade-067                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A    | C      |
| QLogic-020     |          | 115  |               | Add text equivalent to the paragraph in 7.5 regarding FCoE_LEP (last paragraph on page 96). Especially the sentence: When decapsulating FC frames from FCoE frames, the FCoE_LEP shall verify that the destination address of the received FCoE frame is equal to the MAC address of the local link end-point and shall verify that the source address of the received FCoE frame is equal to the MAC address of the remote link end-...point. If |                   | Change the last paragraph to be: "The FCoE_LEP is the functional entity performing the encapsulation of FC frames into FCoE frames during transmission and the decapsulation of FCoE frames into FC frames during reception. An FCoE_LEP operates according to the MAC address of the local link end-point and the MAC address of the remote link end-point. When encapsulating FC frames into FCoE frames, the MAC address of the local link end-point shall be used as source address and the MAC address of the remote link end-point shall be used as destination address of the generated FCoE frame. When decapsulating FC frames from FCoE frames, the FCoE_LEP shall verify that the destination address of the received FCoE frame is | AinP | C      |

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| QLogic-021     |          | 122  |               | What happens in the case of point-to-multipoint? Are FLOGI's sent? If not, then we need to state that. If so, then 7.9.4.3 (or some other clause), needs to state rules for point-to-multipoint FLOGIs                         |                   | See Qlogic-018                                                   | AinP | C                                              |
| QLogic-022     |          | 124  |               | N_Port_ID Beacons also use VN_Port MAC address rather than E_Node MAC Address. As this is an FIP overview section VN2VN ENodes should be included in this description.                                                         |                   | Add "and N_Port_ID Beacons (see 7.9.8.14)" after "(see 7.9.8.5)" | A    | C                                              |
| QLogic-023     |          | 126  |               | Heading missing.                                                                                                                                                                                                               |                   | See IBM-028                                                      | AinP | C                                              |
| QLogic-024     |          | 126  |               | No title?                                                                                                                                                                                                                      |                   | See IBM-028                                                      | AinP | C                                              |
| QLogic-025     |          | 127  |               | No mechanism to discover VLAN for P2P mode. P2P may traverse a lossless ethernet network. All-PT2PT_ENode_MACs allowed here? PT2PT mode is part of an VN2VN Enode                                                              |                   | No need for this on a point-to-point topology                    | R    | C                                              |
| QLogic-026     |          | 129  |               | reference FC-SW-6                                                                                                                                                                                                              |                   |                                                                  | A    | C                                              |
| QLogic-027     |          | 129  |               | Why isn't this normative?                                                                                                                                                                                                      |                   | change to `a possible period value'.                             | AinP | C<br>dap - also applied to note 22 and note 23 |
| QLogic-028     |          | 134  |               | This clause seems to describe point-to-point FLOGI behavior only. What happens in point-to-multipoint? Does an ENode in a point-to-multipoint topology FLOGI to all other peer VN2VN ENodes? If so, we need to state that here |                   | See Qlogic-018                                                   | AinP | C                                              |

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| QLogic-029     |          | 134  |               | I think the term `point-to-point` is being overused here. This could be read to mean the point-to-point topology as described in FC-LS-2, or the point-to-point topology as described in FC-BB-6. Both create completed different meanins for this clause. We need to clarify the language used here. One interpretation of this sentence is that this cluase only really applies to FC-BB-6 point-to-point topology, not point-to-multipoint. Thus only FC-BB-6 point-to-point topology uses FIP FLOGI. I'm not sure if this is the right |                   | See Qlogic-018                                                                                                                                                                                                                                                                                                       | AinP | C      |
| QLogic-030     |          | 134  |               | Fabric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                      | A    | C      |
| QLogic-031     |          | 134  |               | Add Fabric as there is no FIP LOGO request defined in specification - only FIP Fabric LOGO. Subtle difference here from FCoE LOGO. FIP LOGO de-instantiates the link FCoE LOGO does not correct?                                                                                                                                                                                                                                                                                                                                           |                   | FIP Fabric LOGO.                                                                                                                                                                                                                                                                                                     | AinP | C      |
| QLogic-032     |          | 134  |               | Add VN_Port to VN_Port Virtual Links (see figures 32 and 34).                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | to the first sentence.                                                                                                                                                                                                                                                                                               | AinP | C      |
| QLogic-033     |          | 136  |               | Craig we may object to this statement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | Replace the sentence "If the event that caused implicit logout was reception of a FIP FLOGI request, the CVL shall be sent prior to responding to the FIP FLOGI request." with: "If the event that caused implicit logout was reception of a FIP FLOGI request, the FIP Clear Virtual Link frame shall not be sent." | AinP | C      |

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| QLogic-034     |          | 138  |               | Disagree with statement that no requirement to enable All-ENode-MACs for VN2VN. At least for P2P mode. See last paragraph of 7.9.6.3.1 implication that FIP Advertisement detection is performed.                                                             |                   | See EMC-045                                                                                                                                                                                                              | AinP | C                              |
| QLogic-035     |          | 138  |               | A glossary entry for this term would be useful.                                                                                                                                                                                                               |                   |                                                                                                                                                                                                                          | A    | C                              |
| QLogic-036     |          | 142  |               | Disagree with CDS that FIP Advertisement = All-ENode-MACs. Optimization don't need to parse frame just MAC address. Also more generic.                                                                                                                        |                   | No action.                                                                                                                                                                                                               | R    | C                              |
| QLogic-037     |          | 146  |               | Should list the FIP operations that this bit applies to to be consistent with other bit definitions! N_Port_ID Probe Request, N_Port_ID Claim Notification, N_Port_ID Claim Response, N_Port_ID Beacon. The REC/P2P bit is reserved for all other operations. |                   | Add: "The REC/P2P bit is meaningful in FIP N_Port_ID Probe Requests, FIP N_Port_ID Claim Notifications, FIP N_Port_ID Claim Responses, FIP N_Port_ID Beacons. The REC/P2P bit is reserved for all other FIP operations." | AinP | C                              |
| QLogic-038     |          | 146  |               | Not consistent with other bit listings in this clause. For consistency add `(RP)` Bit 3 of word 1 (RP)                                                                                                                                                        |                   |                                                                                                                                                                                                                          | A    | C                              |
| QLogic-039     |          | 146  |               | 10?                                                                                                                                                                                                                                                           |                   |                                                                                                                                                                                                                          | A    | C<br>dap - reference to 7.11.8 |
| QLogic-040     |          | 161  |               | There is no description of VN2VN in this section. Most of the text is ENode to FCF specific. This comment is from 12-129v2                                                                                                                                    |                   | Resolved by 13-225v1                                                                                                                                                                                                     | AinP | C                              |
| QLogic-041     |          | 166  |               | Why zero and not just reserved?                                                                                                                                                                                                                               |                   | Fine as is. No action.                                                                                                                                                                                                   | R    | C                              |
| QLogic-042     |          | 167  |               | STRIKE-OUT                                                                                                                                                                                                                                                    |                   | This should be Response.                                                                                                                                                                                                 | AinP | C                              |
| QLogic-043     |          | 167  |               | This should be a glossary entry.                                                                                                                                                                                                                              |                   | See IBM-008                                                                                                                                                                                                              | A    | C                              |
| QLogic-044     |          | 167  |               | Response                                                                                                                                                                                                                                                      |                   | See Qlogic-042                                                                                                                                                                                                           | AinP | C                              |
| QLogic-045     |          | 167  |               | This should be a glossary term as well.                                                                                                                                                                                                                       |                   | See IBM-008                                                                                                                                                                                                              | A    | C                              |

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| QLogic-046     |          | 168  |               | This should be a glossary entry.                                                                                                                                                                                                                                                                                                     |                   |                                    | A    | C<br>dap - added defintion "FIP N_Port_ID Beacon with the REC/P2P bit set to one" |
| QLogic-047     |          | 180  |               | Remove editor's note.                                                                                                                                                                                                                                                                                                                |                   | See Cisco-19                       | AinP | C                                                                                 |
| QLogic-048     |          | 221  |               | Can a note be added to indicate that the algorithms are in the public domain and may be used without infringing any patents. [Or some equivalent text]                                                                                                                                                                               |                   | No note of this kind can be added. | R    | C                                                                                 |
| Cisco-Late-01  |          | 11   |               | William R. Martin, Vice-Chair                                                                                                                                                                                                                                                                                                        |                   |                                    | A    | C<br>dap - changed T11 to Richard Johnson and T11.3 to Erik Smith                 |
| Cisco-Late-02  |          | 38   |               | shall not                                                                                                                                                                                                                                                                                                                            |                   | See IBM-042                        | A    |                                                                                   |
| Cisco-Late-03  |          | 40   |               | FC-BB_E defines end devices (i.e., ENodes) and Fabric devices (i.e., FCFs and FDFs). ENodes are Fibre Channel nodes (see FC-FS-3) that are able to transport Fibre Channel over Lossless Ethernet. FCFs and FDFs are Fibre Channel Switching Elements (see FC-SW-6) that are able to transport Fibre Channel over Lossless Ethernet. |                   |                                    | A    | C                                                                                 |
| Cisco-Late-04  |          | 41   |               | The FC-BB_E reference model supports the operation of VN_Ports (see FC-FS-3) in ENodes, VF_Ports and VE_Ports (see FC-SW-6) in FCFs, VF_Ports, VE_Ports, and VA_Ports (see FC-SW-6) in Controlling FCFs, and VF_Ports and VA_Ports (see FC-SW-6) in FDFs.                                                                            |                   |                                    | A    | C                                                                                 |
| Cisco-Late-05  |          | 41   |               | Put the headings in bold.                                                                                                                                                                                                                                                                                                            |                   |                                    | A    | C                                                                                 |
| Cisco-Late-06  |          | 45   |               | Add arrows and make the link dashed.                                                                                                                                                                                                                                                                                                 |                   |                                    | A    | C                                                                                 |
| Cisco-Late-07  |          | 48   |               | capitalize Virtual Links.                                                                                                                                                                                                                                                                                                            |                   |                                    | A    | C                                                                                 |

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| Cisco-Late-08  |          | 108  |               | In Fibre Channel over Ethernet, FCoE Nodes (ENodes), FCoE Forwarders (FCFs), and FCoE Data-Plane Forwarders (FDFs) communicate through Ethernet ports over a Lossless Ethernet network. |                   |                                                        | A    | C      |
| Cisco-Late-09  |          | 132  |               | of traffic                                                                                                                                                                              |                   | remove "multicast"                                     | A    | C      |
| Cisco-Late-10  |          | 154  |               | VE_Port, VF_Port, or VA_Port changed state                                                                                                                                              |                   | Replace "Vx_port state change" with the proposed text. | A    | C      |
| Cisco-Late-11  | T        |      | 7.9.7.2       | Clarify that the C and D bits are not set in Advertisements to ENodes                                                                                                                   |                   | Resolved by 13-225v1                                   | AinP | C      |

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| IBM-Late-01                               |          |      |               | Resolve the issue documented in 13-118v0 |                   | As specified in 13-141v1, add the section "VA_Port to VA_Port Virtual Link maintenance protocol" after the current 7.9.5.4, with the following text: "VA_Port to VA_Port Virtual Link maintenance is performed as for VE_Port to VE_Port Virtual Links, with VA_Port capable FDF-MACs operating as VE_Port capable FCF-MACs and VA_Port/VE_Port capable FCF-MACs operating as VE_Port capable FCF-MACs (see 7.9.5.3).<br><br>In particular, the FCoE Controller for a VA_Port capable FDF-MAC or of a VA_Port/VE_Port capable FCF-MAC shall monitor the status of a VA_Port to VA_Port Virtual Link by verifying the reception of unsolicited multicast Discovery Advertisements. Unsolicited multicast Discovery Advertisements | AinP | C      |
|                                           |          |      |               |                                          |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |        |
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| <b>Color Key:</b>                         |          |      |               |                                          |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |        |
| Red - editor to research or working group |          |      |               |                                          |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |        |
| Yellow - working group action             |          |      |               |                                          |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |        |

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| Pink - editor to incorporate |          |       |                             |                           |                   |                                                                                                                                                                                  |     |        |
| Green - complete             |          |       |                             |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          |       |                             |                           | <b>Keys:</b>      |                                                                                                                                                                                  |     |        |
| <b>Summary</b>               |          |       | 563                         | All                       | O                 | Open: An action has been identified and is not complete                                                                                                                          |     |        |
|                              |          |       | 2                           | All Open                  | A                 | Accepted: The issue has been resolved and the resolution indicates any necessary changes                                                                                         |     |        |
|                              |          |       | 256                         | All Accepted              | R                 | Rejected: The issue has been rejected, and the resolution indicates the reason. The resolution may also indicate changes found useful to improve the readability of the standard |     |        |
|                              |          |       | 61                          | All Rejected              | W                 | Withdrawn: The commenter has withdrawn the comment.                                                                                                                              |     |        |
|                              |          |       | 10                          | All Withdrawn             |                   | Not considered yet                                                                                                                                                               |     |        |
|                              |          |       | 228                         | All Accepted in Principle | AinP              | Accepted in Principle: The comment issue has been accepted in principle and the resolution indicates any necessary changes                                                       |     |        |
|                              |          |       | #REF!                       | All Not Processed         |                   |                                                                                                                                                                                  |     |        |
|                              |          |       | 502                         | Complete                  |                   |                                                                                                                                                                                  |     |        |
|                              |          |       | 125                         | All Technical             |                   |                                                                                                                                                                                  |     |        |
|                              |          |       | #REF!                       | All Open Technical        |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Accepted Technical      |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Rejected Technical      |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Withdrawn Technical     |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Not Processed Technical |                           |                   |                                                                                                                                                                                  |     |        |
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|                              |          | 98    | All Editorial               |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Open Editorial          |                           |                   |                                                                                                                                                                                  |     |        |
|                              |          | #REF! | All Accepted Editorial      |                           |                   |                                                                                                                                                                                  |     |        |



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|                |          |      | #REF!         | All Rejected Editorial      |                   |            |     |        |
|                |          |      | #REF!         | All Withdrawn Editorial     |                   |            |     |        |
|                |          |      | #REF!         | All Not Processed Editorial |                   |            |     |        |
|                |          |      |               |                             |                   |            |     |        |