

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
Brocade-001	T		global	REC response reason code and reason code explanation usage.	Clarify that an FCP_Port should behave the same if it receives either reason code 03h or 09h in response to an REC ELS if the reason code explanation is either 15h or 17h.			
EMC-001	T	1	Section 2.3	FC-LS reference should not be listed as under development. Does FC-LS-2 need to be referenced?				
EMC-002	E	2	Section 3.1.1	Remove Class 4 from list of examples for acknowledged class. Also "class" --> "Fibre Channel class" for clarity.				
EMC-003	E	2	Section 3.1.5	"that is returned" --> "that is automatically returned to the application client" in order to better match "autosense" and the definition of "sense data".				
EMC-004	E	2	Section 3.1.8	Change "extent" to "amount" or "size" to avoid confusion.				
EMC-005	E	4	Section 3.1.43, 3.1.4	"A loop operating" --> "A Fibre Channel arbitrated loop operating" for clarity.				
EMC-006	T	4	Section 3.1.45	The word "arbitrary" seems wrong. The key concept is that the data is not accessed in sequential order. Also, change "extent" to "size".				
EMC-007	T	4	Section 3.1.46	"I3" is easily confused with "13" in the font used. Clarify in some fashion.				
EMC-008	T	5	Section 3.1.61	Linked commands are obsolete. Remove them from this definition.				
EMC-009	E	5	Section 3.1.64	"Any class" -> "Any Fibre Channel class" for clarity.				
EMC-010	T	7	Section 3.3.3	Expand definition of "ignored" so that the entity is ignored by whatever receives it, not just a "SCSI device".				
EMC-011	T	7	Section 3.3.10	In definition of "restricted, change "other SCSI standards" --> "other standards" for generality.				
EMC-012	T	10	Table 1	"Send Task Management Request" is missing. Section 4.2 refers to this operation. With two exceptions, an unsolicited command IU is used.				
EMC-013	T	10	Section 4.2	Remove "or a list of linked requests" from first paragraph. Linked commands are obsolete.				

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EMC-014	T	10	Section 4.2	Second paragraph covers sending a command. Text needs to be added to cover task management functions, including mentioning the use of link services (ABTS, REC) to realize two of the task management functions in place of sending a command IU.				
EMC-015	T	11	Section 4.2	Remove last paragraph on p.11, it described linked command handling. Linked commands are obsolete.				
EMC-016	T	12	Section 4.2	"designed to operate with any class of service" -> "designed to operate with any unicast Fibre Channel class of service". FCP is not going to work well over over FC multicast ;-).				
EMC-017	E	12	Section 4.2	"SCSI allows the SCSI initiator port function in any FCP_Port and the SCSI target port function in any FCP_Port." -> "The SCSI initiator port function may exist in any FCP_Port and the SCSI target port function may exist in any FCP_Port.				
EMC-018	T	12	Section 4.3	In "A device server that supports bidirectional commands may implement both unidirectional and bidirectional commands." change "may" --> "should" as a device that implements only bidirectional commands will be all but useless.				
EMC-019	E	12	Section 4.4	"were" -> "where" in first line of section.				
EMC-020	E	12	Section 4.4	"is often not critical" -> "may not be critical" in second line of section. "are not important" -> "may not be important" in third line line of section.				

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EMC-021	T	13	Section 4.4	Item g) can cause imprecise execution of a task management function that affects multiple tasks, e.g., ABORT TASK SET. Allow the CRN for a task management function to be non-zero, but do not require it to be non-zero.				
EMC-022	E	13	Section 4.4	"that used for" -> "that are used for" in last paragraph of section.				
EMC-023	E	13	Section 4.5	"bit" -> "bits" in the next to last line of first paragraph of section. "is used to negotiate" -> "are used to negotiate" in last line of first paragraph of section.				
EMC-024	T	14	Section 4.5	Why is confirmed completion forbidden for task management requests?				
EMC-025	T	14	Section 4.5	Remove paragraph and a)-b) list on command linking. Linked commands are obsolete.				
EMC-026	E	17	Section 4.9.1	"Exchnage" -> "Exchange" in b) item below Table 3.				
EMC-027	T	20	Table 7	Qualify "Hard Address Acquisition Attempted" clearing effect as applying to arbitrated loop only. Elaboration of footnote 1 is one possible means of doing this.				
EMC-028	T	21	Table 8	Qualify "Hard Address Acquisition Attempted" clearing effect as applying to arbitrated loop only. A table footnote may be appropriate.				
EMC-029	E	21	Section 4.11	"for the following" -> "as a consequence of the following events"				
EMC-030	E	25	Section 6.2	5th paragraph: "An image pair may also be established by an implicit Process Login established by methods outside the scope of this standard." Is an "or" missing between "implicit Process Login" and "established by methods"? If not, suggest changing: "established" -> "performed".				
EMC-031	E	27	Section 6.3.3	"information is complete enough so that login (i.e., PLOGI ELS) is sufficient to perform" -> "information is sufficient for login (i.e., PLOGI ELS) to perform"				

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EMC-032	E	27	Table 10	Three bits (the two validity bits for process associators plus READ FCP_XFER_RDY DISABLED) have required values, but only the required value for READ FCP_XFER_RDY DISABLED is indicated in the table. Either indicate all 3 required values or none of them. Adding the requirement that the two process associator valid bits be zero is the preferred resolution.				
EMC-033	T	28	Section 6.3.4	Should the two process associator fields (words 1 and 2) be required to be zero or be RESERVED? They aren't used.				
EMC-034	T	32	Section 6.4	Add text indicating non-use of the PRLO parameter that has been added for FC-SB-4.				
EMC-035	T	34	Section 7.2 and 7.3	Add new FC-4 TYPE and features. In Table 12, define FC-4 feature bit 3 for TYPE 8 as indicating registration of extended FC-4 features for FCP.				
EMC-036	T	39	Table 19	Linked commands are obsolete, so IUs T3 and T4 are also obsolete.				
EMC-037	T	40	Table 20	Linked commands are obsolete, so remove "Linked or" from the SCSI primitive cell in the I5 row.				
EMC-038	E	41	Section 9.2.2.1	Both of these are in the last paragraph on p.41: "task management function" -> "task management function" "the rules for selection of incorrect logical units" -> "the rules for responding to selection of an incorrect logical unit"				
EMC-039	T	42	Section 9.2.2.2	Why no support for precise delivery of task management functions? Comment EMC-21 is related. For what it's worth, iSCSI not only supports, but requires precise delivery of task management functions.				
EMC-040	T	42	Table 22	The SIMPLE task attribute has two description fields. Only one of them can be correct - figure out which one it is and delete the other one.				

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EMC-041	T	43-44	Section 9.2.2.5	For ABORT TASK SET, CLEAR TASK SET, and LOGICAL UNIT RESET, the "may" requirement for clearing exchange resources is too weak. This needs to be at least a "should" requirement, possibly with language about when it is necessary vs. not necessary to clear exchange resources.				
EMC-042	E	44	Section 9.2.2.5	Last paragraph in section: "by transmitting ab ABTS-LS" --> "by transmitting an ABTS-LS"				
EMC-043	T	50	Section 9.5.1	Linked commands are obsolete. Remove first paragraph on p.50.				
EMC-044	E	75	Section 12.4.2.2	"with the PARAMETER field bot 0 set to one" -> "with the PARAMETER field bit 0 set to one"				
EMC-045	T	86	Annex B.1.11	Linked commands are obsolete. Remove this example.				
EMC-046	T	126	Annex D.1.1 and D.1.2	The use of "authenticating" in the first sentence of both of these annexes is incorrect with respect to FC-SP. Two possible alternative words are "verifying" and "validating".				
EMC-047	T	127	Annex D.2 and D.3	The use of "authentication" in the titles of both of these annexes is incorrect with respect to FC-SP. Two possible alternative words are "verification" and "validation".				
NetApp-001			Table 3	This table maps SAM-4 functions to FCP-4 functions - but the SAM I_T NEXUS RESET function is missing (table 7 seems to indicate that LOGO ELS has the appropriate clearing effect).				
NetApp-002			Table 8	Missing Column for I_T NEXUS RESET				

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IBM-001	T	85 (69 hardcopy )	12.2.2 first paragraph, item b)	Target requirement for FCP_RESID_UNDER is missing:: There is no requirement for a target to set FCP_RESID_UNDER if a read operation results in the transfer of fewer than FCP_DL bytes. The 4th paragraph of section 9.4.2, requires: "Because there were fewer bytes provided than required by FCP_DL, the FCP_RESID_UNDER bit...shall be set to one in the FCP_RSP IU...." But this occurs in the context of a discussion of a write operation. There is no similar requirement that FCP_RESID_UNDER be set appropriately in the context of read operations. Section 12.2.2 first paragraph bullet (b) requires the initiator to detect underrun. This may imply a requirement for the target, but it would be better explicitly stated.	1) Break section 9.4 paragraph 4 after "...the target FCP_Port shall discard the excess bytes.", -and- 2) Amend the following sentence to replace "Because there were fewer bytes provided than required...." with "If an operation results in the transfer of fewer bytes than required....".			
IBM-002	T	43 (27 hardcopy )	6.3.4	Sequence level recovery is not defined:: Every usage of the phrase "Sequence level recovery" has the indicated capitalization. This is a marked usage and suggests that the phrase is being used as a term of art. However, the phrase is not defined by the standard, so is left to assume its normal English meaning. It is not clear how the normal meaning of the phrase relates to the concepts of the standard. Specifically, it is not clear when an FCP_Port "ha[s] agreed to Sequence level recovery". What constitutes this agreement should be clearly defined as it qualifies several sections describing recovery. This has ramifications for data integrity (see, e.g., issue (4) below).	In section 6.3.4, subsection "Word 3, Bit 8: RETRY", add a sentence following the first sentence of the third paragraph: "...in both the request payload and in the accept payload. In this case the initiator and target shall have agreed to Sequence level recovery."			

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IBM-003	T	89 (73 hardcopy )	12.4.1.5	Recovery is insufficiently required:: Several recovery sections (e.g. 12.4.1.5) are qualified by: "This procedure shall be used only by FCP devices that have agreed to Sequence level recovery". That is, agreement to Sequence level recovery is necessary but not sufficient to imply that an initiator or target will perform the defined recovery. The standard provides no mechanism for an agreeable FCP_Port to communicate its actual intent to follow the recovery procedures, so it is possible that an initiator and target might make opposite choices. There are cases, though, where either both or neither initiator and target must perform the recovery in order to preserve data integrity. A target, for example, might agree to Sequence level recovery but elect not to perform the FCP_RSP IU recovery described in section 12.4.1.5. Not being subject, then, to the restrictions in 12.4.1.5, the target would be at liberty to discard exchange information as soon as an FCP_RSP was sent. If the FCP_RSP were lost, an otherwise timely REC by the initiator would be rejected by the target with "Logical	Replace the qualifications at the heads of sections 12.4.1.3, 12.4.1.4, 12.4.1.5, 12.4.1.6, and 12.4.1.7 with: "This procedure shall be used by and only by FCP devices that have agreed to Sequence level recovery." Note the larger effect on 12.4.1.3 than on the others.			

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IBM-004	T	82 (66 hardcopy )	11.3	R_A_TOV (re)definitions drop vital guarantee:: Section 11.3 states: "R_A_TOV has two separate components, labeled R_A_TOVseq_qual and R_A_TOVels." FC-FS-2 contains no mention of separate components of R_A_TOV. It's unclear whether FCP's R_A_TOV component timers inherit substance or merely name from FC-FS-2. FC-FS-2 section 20.2.1.4 provides a guarantee: "R_A_TOV represents E_D_TOV plus twice the maximum time that a frame may be delayed within a Fabric and still be delivered." The notion that R_A_TOV encompasses the maximum fabric delivery time is vital to the definition of RR_TOVseq_init (Table 30) and the recovery mechanisms that depend on it (e.g. section 12.4.1.5). If R_A_TOVels does not inherit substantially from FC-FS-2 R_A_TOV then this vital guarantee is dropped. Even if R_A_TOVels does inherit substantially from FC-FS-2 R_A_TOV, Table 30 flatly redefines the duration of R_A_TOVels as 2 or 10 seconds without mention of maximum fabric delivery time, dropping the vital guarantee.	Amend Table 30 - Timer summary NOTE 1 to add a sentence: "R_A_TOV for ELS shall encompass the maximum time that a frame may be delayed within a Fabric and still be delivered." Note that boundedness of R_A_TOVels directly affects boundedness of RR_TOVseq_init, and so has implications for boundedness of REC_TOV.			



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IBM-005	T	88 (72 hardcopy )	12.4.1.3	<p>REC_TOV floor allows REC vs FCP_CMND race:: Section 12.4.1.3 equates REC reject (with "Logical error"/"Invalid OX_ID-RX_ID combination") to the loss of the FCP_CMND and prescribes retransmission of the FCP_CMND. But an initiator would see the same reject in the case where the REC merely arrived at the target ahead of the FCP_CMND. In that case retransmission of the FCP_CMND could result in a loss of data integrity. Arrival of REC ahead of FCP_CMND could be prevented by ensuring that REC is not transmitted until it is certain that the FCP_CMND is either delivered or lost. FC-FS-2 section 20.2.1.3 limits to three the actions whose duration is bounded by E_D_TOV; frame delivery across a fabric is not among those. Rather, FC-FS-2 section 20.2.1.4 describes R_A_TOV as the timer that encompasses the maximum frame delivery time. In order to ensure REC is not sent prematurely, REC_TOV's range must therefore encompass R_A_TOV rather than E_D_TOV.</p>	<p>Replace REC_TOV range of "&gt;= E_D_TOV + 1s" with "&gt;= R_A_TOV" in Table 30 - Timer summary. -or- Replace section 12.4.1.3 paragraph 2 with: 'If the target reports the exchange invalid (i.e. the initiator FCP_Port receives an LS_RJT for the REC with the reason code of "Logical error" and reason code explanation set to "Invalid OX_ID-RX_ID combination"), the initiator shall not retransmit the FCP_CMND and shall notify the application client appropriately.' Note that if 12.4.1.3 is allowed to stand a modification may still be in order. Verb "retransmit" following the parenthetical is in the imperative mood and would better be declarative: "...), the initiator shall retransmit...."</p>			

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IBM-006	T	81 (65 hardcopy )	Table 33	Lack of REC_TOV ceiling allows REC vs exchange discard race:: REC_TOV is described in the timer summary table (Table 33) as a range with a floor but no ceiling. No mechanism is provided to communicate the choice of REC_TOV between initiator and target. This allows the possibility that an initiator may choose a REC_TOV that is arbitrarily large and that differs from the REC_TOV chosen by the target. Further, section 11.5 describes REC_TOV as the "minimum polling interval" for REC and states that a duration of "at least" REC_TOV occurs before REC may be sent. REC_TOV is not a ceiling on the REC polling interval. Section 12.4.1.5 attempts to ensure that a target will maintain exchange information until a timely REC arrives by requiring that the target retain the information for up to RR_TOVseq_init after sending the FCP_RSP. Table 30 suggests RR_TOVseq_init should be " $\geq$ REC_TOV + 2xR_A_TOVels + 1s" (in the RETRY case), but this is insufficient. The target must necessarily base its RR_TOVseq_init on its own REC_TOV since it has no knowledge of the initiator's REC_TOV. The initiator's REC	All three of: 1) Modify section 11.5 first paragraph to add a sentence encouraging prompt polling by initiators: "...first polling for Exchange status with the REC ELS. Initiators should transmit REC promptly after REC_TOV expiration. Table 31..." -and- 2) Modify Table 30 to set an appropriate ceiling for REC_TOV, perhaps one of: " $\leq$ R_A_TOV", " $\leq$ R_A_TOV + E_D_TOV", or " $\leq$ 2xR_A_TOV". -and- 3) Modify Table 30 to set a floor for RR_TOVseq_init based on the REC_TOV ceiling, making RR_TOVseq_init's range: " $\geq$ ceil(REC_TOV) + R_A_TOV + 1s" (with "R_A_TOV" allowing time for the REC to traverse the fabric and "1s" as an allowance for initiator promptness failings). -- Or just: -- Replace section 12.4.1.3 paragraph 2 with: 'If the target reports the exchange invalid (i.e. the initiator FCP_Port receives an LS_RJT for the REC with the reason code of "Logical error" and reason code explanation set to "Invalid OX_ID-RX_ID combination"), the initiator shall not retransmit the FCP_CMND and shall notify the			

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IBM-007	T			The target must retain the exchange information not only long enough to ensure that any REC from the initiator will have arrived before discard, but additionally long enough to allow time for the target to transmit the REC ACCEPT, the ACCEPT to cross the fabric and reach the initiator, the initiator to process the ACCEPT and respond with SRR, and the SRR to cross the fabric to arrive again at the target. Practically, I think that means the target must retain the exchange information for an additional "2 x R_A_TOV + 1s" (two fabric traversals and some grace for promptness of target and initiator) _beyond_ what I had considered originally.				
IBM-008	T		12.4.2.3 & 4.7 - General comment	There needs to be a shall statement prohibiting consecutive exchanges with the same OX_ID as well as making the clear statement that "rapid" (whatever that means) reuse of OX_ID is highly frowned upon. If a shall statement cannot be made, then a statement is needed that clearly acknowledges that rapid OX_ID reuse is dangerous behavior. It seems like rapid OX_ID reuse would create a colossal mess if command queuing were enabled.				
ENDL Texas-001	E	28	6.3.4, word 3, bit 11, s 2	<<If the ENHANCED DISCOVERY bit is set to one, the Originator is requesting, as an initiator FCP_Port, that an image pair be established only if the initiator FCP_Port has been authorized to access one or more logical units, not including default logical units, that are addressed through the target FCP_Port.>> It is not necessary to mention initiator FCP_Port twice in the same sentence.	If the ENHANCED DISCOVERY bit is set to one, the Originator is requesting that an image pair be established only if the initiator FCP_Port has been authorized to access one or more logical units, not including default logical units, that are addressed through the target FCP_Port.			
ENDL Texas-002	E	28	6.3.4, word 3, bit 10, s 1	<<When the REC ELS supported (REC_SUPPORT) bit is set to one, the Originator is indicating that it supports, as an initiator FCP_Port, the transmission of the REC ELS.>> is hard to read and thus unclear	When the REC ELS supported (REC_SUPPORT) bit is set to one, the Originator is indicating that it supports the transmission of the REC ELS when it is acting as an initiator FCP_Port.			

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ENDL Texas-003	E	28	6.3.4, word 3, bit 8, s 1	<<When the RETRY bit is set to one, the Originator or Responder is indicating that it supports as an initiator FCP_Port the capability of requesting a retransmission of unsuccessfully transmitted data or as a target FCP_Port the capability of performing a requested retransmission.>> is hard to read and thus unclear	When the RETRY bit is set to one, the Originator or Responder is indicating that its initiator FCP_Port functions support the capability of requesting a retransmission of unsuccessfully transmitted data or that its target FCP_Port functions support the capability of performing a requested retransmission.			
ENDL Texas-004	E	32	6.3.5, word 3, bit 11, s 1	<<When the ENHANCED DISCOVERY bit is set to one, the Responder is indicating that it supports, as a target FCP_Port, enhanced discovery (i.e., an image pair is established only if the initiator FCP_Port is authorized to access logical units, other than default logical units, that are addressed through the target FCP_Port).>> It is not necessary to mention initiator FCP_Port twice in the same sentence.	When the ENHANCED DISCOVERY bit is set to one, the Responder is indicating that it supports enhanced discovery (i.e., an image pair is established only if the initiator FCP_Port is authorized to access logical units, other than default logical units, that are addressed through the target FCP_Port).			
ENDL Texas-005	E	32	6.3.5, word 3, bit 11, s 2	<<When the ENHANCED DISCOVERY bit is set to zero, the Responder is indicating that it does not support, as a target FCP_Port, enhanced discovery.>> is unnecessarily complicated, particularly in context	When the ENHANCED DISCOVERY bit is set to zero, the Responder is indicating that it does not support enhanced discovery when it is acting as a target FCP_Port.			
ENDL Texas-006	E	32	6.3.5, word 3, bit 10, s 1	<<When the REC ELS supported (REC_SUPPORT) bit is set to one, the Responder is indicating that it supports, as a target FCP_Port, the receipt of the REC ELS.>> is hard to read and thus unclear	When the REC ELS supported (REC_SUPPORT) bit is set to one, the Responder is indicating that it supports the receipt of the REC ELS, when it is acting as a target FCP_Port.			
LSI 1		ii	7.9 inches from the top, 0.7 inches from the left	Abstract The abstract is not correct as it says nothing about this version of FCP. I would suggest that putting version information is not a good idea and that the abstract should be rewritten to be more abstract.				
LSI 2		ii	8.5 inches from the top, 2.7 inches from the left	The PATENT STATEMENT should be forced to start at the top of the page.				

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LSI 3		v	1.3 inches from the top, 0.9 inches from the left	The Change History needs to be deleted in the version that goes to public review.				
LSI 4		1	7.3 inches from the top, 1.4 inches from the left	There is no reference to SAM-3 in this standard so this << ANSI/INCITS 402-2005, SCSI Architecture Model - 3 (SAM-3) >> should be deleted.				
LSI 5		2	4.6 inches from the top, 0.7 inches from the left	This << Class 4) See >> needs a period << Class 4). See >>				
LSI 6		3	9.0 inches from the top, 2.8 inches from the left	This << An encoded 64-bit identifier for a logical unit. >> should be changed to << An identifier for a logical unit. >>				
LSI 7		3	1.4 inches from the top, 2.0 inches from the left	This << The term used in FC-FS-3 to describe removing >> should be << Removing >> as the reset is redundant with the << See FC-FS-3 >> statement.				
LSI 8		3	5.4 inches from the top, 0.9 inches from the left	This << performs the operations described in >> should be << performs I_T nexus loss operations described in >>				
LSI 9		3	6.9 inches from the top, 0.7 inches from the left	You have a definition for the term << initiator >> but there is no corresponding definition for the term << target >>. One solution would be to delete this term as it is only used about 10 time and change all the usages to something more specific like SCSI initiator device which would also have to be defined but at least you would be in line with SAM-4 that way. In either case you have add in the corresponding target definition.				
LSI 10		3	7.4 inches from the top, 0.9 inches from the left	You need to set frame so it will not split a hyphen across lines.				
LSI 11		3	7.9 inches from the top, 0.9 inches from the left	There is no such thing as a SCSI target/initiator port in SAM-4 so this << or of a SCSI target/initiator port when operating as a SCSI initiator port >> needs to be deleted.				

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LSI 12			8.1 inches from the top, 4.6 inches from the left 3	There is no definition of a << FCP device >>. One needs to be added to the list of definitions.				
LSI 13			8.8 inches from the top, 0.9 inches from the left 3	This << A SCSI target device object, containing a device server and task manager, that implements a device model and manages tasks to process commands sent by an application client. See SAM-4. >> should be changed to << An externally addressable entity within a SCSI target device that implements a SCSI device model and contains a device server. See SAM-4. >>				
LSI 14			9.9 inches from the top, 4.1 inches from the left 3	This << in Fibre Channel such as N_Port, Node, F_Port, or Fabric. >> should either be change to << in Fibre Channel (i.e., N_Port, Node, F_Port, or Fabric). >> or << in Fibre Channel (e.g., N_Port, Node, F_Port, or Fabric). >> depending on if it is an complete list or a list of examples. The << such as >> implies it is a complete list.				
LSI 15			2.8 inches from the top, 4.7 inches from the left 4	This << FC-2 layer. It may act as an >> should be << FC-2 layer that may act as an >>				
LSI 16			9.2 inches from the top, 2.1 inches from the left 4	This << A device that originates or services SCSI commands.>> should be << A device that contains one or more SCSI ports that are connected to a service delivery subsystem and supports a SCSI application protocol. >>				
LSI 17			9.5 inches from the top, 5.1 inches from the left 4	There are no more linked command in SAM-4 so this << a series of linked SCSI commands, >> needs to be deleted.				
LSI 18			1.5 inches from the top, 0.9 inches from the left 5	There is no such thing as a SCSI target/initiator port in SAM-4 so this <<or a SCSI target/initiator port operating as a SCSI initiator port >> needs to be deleted. .				

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LSI 19			4.2 inches from the top, 0.9 inches from the left 5	There is no such thing as a SCSI target/initiator port in SAM-4 so this << or of a SCSI target/initiator port when operating as a SCSI target port >> needs to be deleted.				
LSI 20			9.2 inches from the top, 0.8 inches from the left 5	Remove all the periods from the abbreviations descriptions.				
LSI 21			6.5 inches from the top, 4.2 inches from the left 6	LUN needs to be added to the acronyms list.				
LSI 22			2.4 inches from the top, 0.9 inches from the left 7	This is not a keyword and should be deleted << 3.3.1expected: A keyword used to describe the behavior of the hardware or software in the design models assumed by this standard. Other hardware and software design models may also be implemented. >>				
LSI 23			8.3 inches from the top, 0.9 inches from the left 7	This << alternative; equivalent to the phrase □it is strongly recommendedŽ. >> should be << alternative (equivalent to □it is strongly recommendedŽ). >>				
LSI 24			3.3 inches from the top, 0.5 inches from the left 8	This is not an accurate description of the conventions. I recommend you copy section 3.4 from SAS-2 here.				
LSI 25			2.6 inches from the top, 0.9 inches from the left 9	Give me a break, this sentence is just too much << The FC-2 layer may be treated as a very powerful delivery service with information grouping and several defined classes of service. >> it should be << The FC-2 layer is a delivery service with information grouping and several defined classes of service. >>				
LSI 26			5.2 inches from the top, 0.7 inches from the left 10	You need to set frame so it will not split a hyphen across lines.				
LSI 27			6.4 inches from the top, 0.7 inches from the left 10	Linked command are no longer defined so this << or a list of linked requests >> should be deleted.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 28		11	6.3 inches from the top, 6.4 inches from the left	There is no more linking so << no command linking >> this should be deleted.				
LSI 29		11	6.9 inches from the top, 0.9 inches from the left	There is not linking so this << sequence of the Exchange. The device server determines whether additional linked commands are to be performed in the FCP I/O operation. If this is the last or only command processed in the FCP I/O operation, the FCP I/O operation and the >> should be << sequence of the Exchange, then the FCP I/O operation and the >>				
LSI 30		11	9.9 inches from the top, 0.9 inches from the left	No linking so delete << If the command is linked to another command, the FCP_RSP IU payload shall contain the proper status (i.e., INTERMEDIATE or INTERMEDIATE-CONDITION MET) indicating that another command shall be processed.The target FCP_Port shall present the FCP_RSP using the IU that allows command linking, I5 (see 9.1). The initiator FCP_Port shall continue the same Exchange with an FCP_CMND IU, beginning the next SCSI >>				
LSI 31		12	1.7 inches from the top, 0.7 inches from the left	No linking so delete << command. All SCSI commands linked in the FCP I/O operation except the last are processed in the manner described above. SAM-4 defines the cases that interrupt and terminate a series of linked commands. In those cases, the FCP_RSP IU of the last command in the set of linked commands shall be transmitted using the IU that does not allow command linking, I4 (see 9.1). See 4.5. >>				
LSI 32		12	4.9 inches from the top, 5.7 inches from the left	This << the RDDATA and WRDATA bits >> should be << the RDDATA bit and WRDATA bit >>				
LSI 33		12	5.3 inches from the top, 2.3 inches from the left	This << the RDDATA and WRDATA bit >> should be << the RDDATA bit and WRDATA bit >>				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 34		12	5.7 inches from the top, 2.7 inches from the left	This << the RDDATA and WRDATA bits >> should be << the RDDATA bit and WRDATA bit >>				
LSI 35		12	6.3 inches from the top, 5.3 inches from the left	This << the RDDATA and WRDATA bits >> should be << the RDDATA bit and WRDATA bit >>				
LSI 36		12	8.1 inches from the top, 0.7 inches from the left	SAM-4 does no such thing as << SAM-4 defines a mechanism to assure ordering of commands >> so it should be deleted.				
LSI 37		12	9.3 inches from the top, 4.3 inches from the left	This << MODE SENSE and MODE SELECT commands to >> should be << MODE SENSE command and MODE SELECT command to >>				
LSI 38		12	9.7 inches from the top, 0.7 inches from the left	This << and set the enable precise delivery checking (EPDC) bit in the Fibre Channel Logical Unit Control mode page. See 10.3. >> should be << and set the EPDC bit in the Fibre Channel Logical Unit Control mode page to one (see 10.3). >>				
LSI 39		13	6.5 inches from the top, 5.3 inches from the left	This << management algorithms. See SAM-4; >> should be << management algorithms (see SAM-4); >>				
LSI 40		13	7.4 inches from the top, 6.9 inches from the left	This << that used for >> should be << that are used for >>.				
LSI 41		13	8.7 inches from the top, 2.5 inches from the left	This << (see 6.3.5) is used to negotiate >> should be << (see 6.3.5) are used to negotiate >>				
LSI 42		13	9.1 inches from the top, 0.9 inches from the left	This << Parameter page, the target >> should be << Parameter page, then the target >>				
LSI 43		14	5.0 inches from the top, 5.7 inches from the left	This << and >> should be << or >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 44			14 3.5 inches from the top, 0.7 inches from the left	No linking so delete << If command linking is being performed, the target FCP_Port shall not request confirmed completion for an FCP_RSP IU containing INTERMEDIATE or INTERMEDIATE-CONDITION MET status. The target FCP_Port may request confirmed completion: <input type="checkbox"/> a)when providing the FCP_RSP IU for the last command of the set of linked commands; or <input type="checkbox"/> b)when providing the FCP_RSP IU for a command that terminates linking because of an error or CHECK CONDITION status. >>				
LSI 45			14 3.7 inches from the top, 5.5 inches from the left	This << Particular examples include: >> should be << Examples include: >>				
LSI 46			14 9.1 inches from the top, 5.8 inches from the left	This << page (see 6.3.4 and 6.3.5): >> should be << page (see 6.3.4 and 6.3.5), then: >>				
LSI 47			15 2.0 inches from the top, 0.9 inches from the left	This << request). The particular case that has been identified as a problem is related to the recovery procedure diagrammed in figure C.7. >> should be << request) (see figure C.7 for a case in which task retry identification may be used to detect that sense recovery is needed). >>				
LSI 48			15 2.0 inches from the top, 3.2 inches from the left	In a new paragraph. Change this <<it is possible that initiator >> to << For example, it is possible that initiator >>				
LSI 49			15 3.1 inches from the top, 0.9 inches from the left	This << Many small variations on this scenario may exist >> is not needed when the <<for example >> is added				
LSI 50			15 3.6 inches from the top, 4.9 inches from the left	There is no definition of this term << task retry identifier >>. One needs to be added to the glossary.				
LSI 51			15 4.2 inches from the top, 0.9 inches from the left	This << unambiguously relating them to the particular command >> adds nothing and should be deleted.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 52		15	4.3 inches from the top, 4.1 inches from the left	This << the FCP_CMND IU, REC ELS, and SRR FCP_LS frames. >> should be << the FCP_CMND IU frame, REC ELS frame, and SRR FCP_LS frame. >>				
LSI 53		17	6.7 inches from the top, 1.8 inches from the left	This << not configured) the target FCP_Port >> should be << not configured), then the target FCP_Port >>				
LSI 54		17	7.1 inches from the top, 4.3 inches from the left	This << and >> should be << or >>				
LSI 55		18	5.0 inches from the top, 0.7 inches from the left	This justification << To be compliant with FC-FS-3, >> is not needed and should be deleted.				
LSI 56		19	5.1 inches from the top, 4.8 inches from the left	This << command code); >> should be << command code); or>>				
LSI 57		19	7.3 inches from the top, 0.9 inches from the left	This << Tables 7 and 8 summarize >> has to be << Table 7 and table 8 summarize >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 58			8.5 inches from the top, 0.9 inches from the left 19	Most if not all of this belongs in the table footer. At a minimum the Y, N, and - need to be places in a Key list. Also single quotes indicate a character string which is not correct here. This all needs to be fixed. << A □Y□ in the corresponding column of either table indicates the clearing effect upon successful completion of the specified action. The clearing effects are applicable only to Sequences and Exchanges associated with Fibre Channel Protocol actions. Sequences and Exchanges associated with other actions follow rules specified in FC-FS-3 or other relevant protocol standards. An □N□ in the corresponding column indicates the clearing effect is not performed by the specified action. A □-□ in the column indicates that the clearing effect is not applicable. Rows indicating a clearing effect for all initiator FCP_Ports have the specified clearing effect on all initiator FCP_Ports, regardless of the link that attaches the initiator FCP_Port to the target FCP_Port. >>				
LSI 59			5.3 inches from the top, 2.4 inches from the left 20	This << LIP(AL_PD,AL_PS), the >> should be << LIP(AL_PD,AL_PS), then the >>				
LSI 60			5.7 inches from the top, 3.9 inches from the left 20	This << receiving NL_Port, the receiving >> should be << receiving NL_Port, then the receiving >>				
LSI 61			5.6 inches from the top, 2.7 inches from the left 21	This << ABTS-LS that also has the >> should be << ABTS-LS which has the >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 62			8.6 inches from the top, 0.9 inches from the left 21	This << An NL_Port shall deliver a Transport Reset notification (see SAM-4) for a Reset LIP(y,x) (see FC-AL-2) FC link event if the AL_PD matches the AL_PA of the receiving NL_Port. >> should be << If the AL_PD matches the AL_PA of the receiving NL_Port, then an NL_Port shall deliver a Transport Reset notification (see SAM-4) for a Reset LIP(y,x) (see FC-AL-2) FC link event. >>				
LSI 63			5.1 inches from the top, 0.7 inches from the left 22	This << Addressability of logical units uses the FCP_LUN field provided in the FCP_CMND IU. >> should be << Addresses of logical units are contained in the FCP_LUN field of FCP_CMD IUs. >>				
LSI 64			8.4 inches from the top, 1.2 inches from the left 22	This << registration and reservation to the initiator >> should be << registration and persistent reservation to the initiator >>				
LSI 65			5.4 inches from the top, 3.1 inches from the left 25	This << will be>> should be << is >>				
LSI 66			5.6 inches from the top, 1.2 inches from the left 25	This << condition. Consider the case where the target FCP_Port WWPN is larger than the initiator FCP_Port WWPN. In this case the target FCP_Port PLOGI ELS request will be processed, but the target FCP_Port is prohibited from transmitting a PRLI ELS. If the initiator FCP_Port does not transmit a PRLI ELS, a deadlock occurs. >> should be << condition (e.g., if the target FCP_Port WWPN is larger than the initiator FCP_Port WWPN, then the target FCP_Port PLOGI ELS request is processed, but the target FCP_Port is prohibited from transmitting a PRLI ELS. If the initiator FCP_Port does not transmit a PRLI ELS, a deadlock occurs). >>				
LSI 67			4.8 inches from the top, 5.5 inches from the left 26	This << Port capabilities, a single image >> should be << Port capabilities, then a single image >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 68		26	5.4 inches from the top, 2.1 inches from the left	This << IMAGE PAIR ESTABLISHED bit in the PRLI ELS accept >> should be << IMAGE PAIR ESTABLISHED bit set to one in the PRLI ELS accept >>				
LSI 69		27	1.5 inches from the top, 1.5 inches from the left	This << condition that would normally be performed and established >> should be << condition that are normally performed and established >>				
LSI 70		28	5.0 inches from the top, 6.4 inches from the left	this << logical units, the >> should be << logical units, then the >>				
LSI 71		28	8.0 inches from the top, 0.7 inches from the left	I have no idea what the << it >> is in this statement << then it shall be used >> this needs to be fixed.				
LSI 72		28	1.5 inches from the top, 0.7 inches from the left	This << bit shall be zero, >> should be << bit shall be set to zero, >>				
LSI 73		28	2.2 inches from the top, 0.7 inches from the left	This << bit shall be zero, >> should be << bit shall be set to zero, >>				
LSI 74		28	3.1 inches from the top, 0.7 inches from the left	These two paragraphs << If the ESTABLISH IMAGE PAIR bit is set to zero, the PRLI ELS only exchanges service parameters as defined in FC-LS.□ If the ESTABLISH IMAGE PAIR bit is set to one, the PRLI ELS exchanges service parameters and attempts to establish an image pair as defined in FC-LS. >> should be combined to be one paragaph.				
LSI 75		28	4.2 inches from the top, 3.1 inches from the left	In most cases you are using <<when>> in the bit descriptions. Therefore you should change this <<If >> to a << When >>..				
LSI 76		28	4.4 inches from the top, 2.0 inches from the left	In most cases you are using <<when>> in the bit descriptions. Therefore you should change this <<If >> to a << When >>..				
LSI 77		29	2.1 inches from the top, 6.0 inches from the left	This << only if the RETRY bit is set in >> should be << only if the RETRY bit is set to one in >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 78			3.1 inches from the top, 4.2 inches from the left 29	This << capability, overlay of data >> should be << capability, then overlay of data >>				
LSI 79			8.2 inches from the top, 1.3 inches from the left 29	This << the process does not have >> does not compute. Process is a verb but it appears to be being used as a noun here. This needs to be fixed.				
LSI 80			8.4 inches from the top, 0.9 inches from the left 29	This << the INITIATOR FUNCTION and the TARGET FUNCTION bits may be >> should be << the INITIATOR FUNCTION bit and the TARGET FUNCTION bit may be >>				
LSI 81			9.6 inches from the top, 6.9 inches from the left 31	In most cases you are using <<when>> in the bit descriptions. Therefore you should change this <<If >> to a << When >>..				
LSI 82			1.2 inches from the top, 0.7 inches from the left 32	In most cases you are using <<when>> in the bit descriptions. Therefore you should change this <<If >> to a << When >>..				
LSI 83			3.6 inches from the top, 5.0 inches from the left 34	This << possible >> adds nothing and should be deleted.				
LSI 84			3.6 inches from the top, 6.5 inches from the left 34	This << The object is a >> should be << The FC-4 Features object is a >>				
LSI 85			7.1 inches from the top, 6.1 inches from the left 34	This << The object is provided >> should be << The FC-4 Features object is provided >>				
LSI 86			2.6 inches from the top, 0.7 inches from the left 36	What in the world does this mean << unless unusual conditions make the retransmission impossible >>? Unless this can be quantified better it should be deleted as the << should >> allows for that.				
LSI 87			6.8 inches from the top, 6.0 inches from the left 36	This << field shall be zero >> should be << field shall be set to zero >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 88		37	3.6 inches from the top, 0.9 inches from the left	This << A four-byte reason code shall be contained in the Data_Field >> give misleading and confusing information. It should be << A reason code shall be contained in word 1 of theFCP_RJT payload >>				
LSI 89		37	5.3 inches from the top, 3.4 inches from the left	This << contain a reason code and reason code explanation for rejecting the >> should be << contain a reason code, reason code explanation, and vendor specific information, if any, for rejecting the >>				
LSI 90		38	4.2 inches from the top, 5.0 inches from the left	This << This indicates that >> is not stated in any of the other descriptions and is not need here so it should be deleted.				
LSI 91		39	4.6 inches from the top, 1.2 inches from the left	Linked commands are no longer defined in SAM-4. So these should be deleted.				
LSI 92		39	5.5 inches from the top, 1.5 inches from the left	This << T5, T7, T8, T9, T10, and T11 are obsolete >> should be << T3, T4, T5, T7, T8, T9, T10, and T11 are obsolete >>				
LSI 93		39	5.7 inches from the top, 2.0 inches from the left	Should be deleted as linked commands are no more.				
LSI 94		39	5.9 inches from the top, 1.5 inches from the left	This << T3 and T4 are only permitted for linked SCSI commands >> should be deleted as linked commands are no more.				
LSI 95		39	6.1 inches from the top, 2.0 inches from the left	Should be deleted as linked commands are no more.				
LSI 96		40	3.5 inches from the top, 1.9 inches from the left	Should be deleted as linked commands are no more.				
LSI 97		40	4.1 inches from the top, 2.1 inches from the left	This << for linked SCSI commands or >> should be deleted as linked commands are no more.				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 98		41	9.0 inches from the top, 2.1 inches from the left	This << contains a valid logical unit address the command or >> should be << contains a valid LUN the command or >>				
LSI 99		41	3.8 inches from the top, 4.6 inches from the left	This << (N-27)/4 >> should be << (n-27)/4 >>				
LSI 100		41	8.1 inches from the top, 6.0 inches from the left	This << (i.e., the logical unit number) >> should be << (i.e., the LUN) >>				
LSI 101		42	2.7 inches from the top, 0.7 inches from the left	This << shall be reserved and set to zero and >> has to either << is reserved and >> or << shall be set to zero and >>. as you cannot put requirements on a field that is reserved as reserved is a defined key word.				
LSI 102		42	6.6 inches from the top, 3.3 inches from the left	Having two table sells in the description of SIMPLE does no make any sense. The 2 should be combined to one and stated as << Requests that the task be managed according to the rules for a simple task attribute and priority, if implemented (see SAM-4).				
LSI 103		43	6.7 inches from the top, 1.6 inches from the left	This << The FCP_CDB field is honored instead. >> should be << The TASK MANAGEMENT FLAGS field is ignored. >>				
LSI 104		43	7.4 inches from the top, 1.6 inches from the left	This << INQUIRY data (see SPC-4) and it shall not be sent to a logical unit with a NORMACA bit equal to zero in the standard INQUIRY data. >> should be << INQUIRY data (see SPC-4). A CLEAR ACA task management function shall not be sent to a logical unit if the NORMACA bit is set to zero in the standard INQUIRY data. >>				
LSI 105		43	8.3 inches from the top, 3.9 inches from the left	This << target FCP_Port as shown in 4.10. >> should be << target FCP_Port (see 4.10). >>				
LSI 106		43	9.1 inches from the top, 4.0 inches from the left	This << target FCP_Port as shown in 4.10. >> should be << target FCP_Port (see 4.10). >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 107			44 1.7 inches from the top, 1.0 inches from the left	It's not important why the timeout occurred so this << Subsequent retries fail because the task resources have been cleared in the logical unit, so the initiator FCP_Port shall clear >> should be << If a timeout occurs the initiator FCP_Port shall clear >>				
LSI 108			44 1.7 inches from the top, 5.7 inches from the left	Global: □ This structure << See 12.3. >> should only be used in glossary entries. In all other cases it should be << (see xx.x). >> as it is not clear what the see is referring to.				
LSI 109			44 3.3 inches from the top, 5.5 inches from the left	This << logical unit as shown in 4.10. >> should be << logical unit (see 4.10). >>				
LSI 110			44 4.6 inches from the top, 1.0 inches from the left	It's not important why the timeout occurred so this << Subsequent retries fail because the task resources have been cleared in the logical unit, so the initiator FCP_Port shall clear >> should be << If a timeout occurs the initiator FCP_Port shall clear >>				
LSI 111			44 7.1 inches from the top, 0.7 inches from the left	This <<The use of the ACA bit in the CDB >> has to be << The use of the NACA bit in the CDB >> as there is no such thing as an ACA bit in the CDB.				
LSI 112			44 8.7 inches from the top, 0.7 inches from the left	This << RDDATA and WRDATA bits >> should be << RDDATA bit and WRDATA bit >>				
LSI 113			45 1.4 inches from the top, 0.9 inches from the left	This << and a SCSI write operation. This is a bidirectional SCSI command. The >> should be << and a SCSI write operation (i.e., a bidirectional SCSI command). The >>				
LSI 114			46 2.5 inches from the top, 0.7 inches from the left	This << If either RDDATA or WRDATA is set to zero >> should be << If either the RDDATA bit or WRDATA bit is set to zero >>				
LSI 115			46 4.6 inches from the top, 0.7 inches from the left	This << field if requested. >> should be << field when requested. >> as I assume the data will be requested at some point.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 116		47	1.4 inches from the top, 5.1 inches from the left	This << This is the same as the SAM-4 application >> should be << This is equivalent to the SAM-4 application >>				
LSI 117		47	3.1 inches from the top, 3.8 inches from the left	This << is the same as the SCSI data delivery request >> should be << is equivalent to the SCSI data delivery request >>				
LSI 118		49	9.0 inches from the top, 4.7 inches from the left	This << Bytes 10 and 11 shall >> should be << Byte 10 and byte 11 shall >>				
LSI 119		49	8.8 inches from the top, 1.8 inches from the left	This << fields in bytes 10 and 11 summarize >> should be << fields in byte 10 and byte 11 summarize >>				
LSI 120		50	2.3 inches from the top, 0.7 inches from the left	This is no linking any more so this should be deleted << If command linking is being performed, an FCP_RSP IU is provided for each command. For linked commands, INTERMEDIATE status or INTERMEDIATE - CONDITION MET status indicates successful completion of a command with no other information valid if all other fields are zero. If command linking is requested, the use of the INTERMEDIATE or INTERMEDIATE-CONDITION MET status indicates that linking shall be performed. The LINKED COMMAND COMPLETE or LINKED COMMAND COMPLETE (WITH FLAG) Service Response defined by SAM-4 is implicit in the presentation of INTERMEDIATE or INTERMEDIATE-CONDITION MET status in the FCP_RSP IU. >>				
LSI 121		51	9.0 inches from the top, 0.9 inches from the left	This << FCP_BIDI_READ_RESID_OVER and FCP_BIDI_READ_RESID_UNDER bits >> should be << FCP_BIDI_READ_RESID_OVER bit and FCP_BIDI_READ_RESID_UNDER bit >>				
LSI 122		51	9.3 inches from the top, 0.9 inches from the left	This << FCP_BIDI_READ_RESID_OVER and FCP_BIDI_READ_RESID_UNDER bits >> should be << FCP_BIDI_READ_RESID_OVER bit and FCP_BIDI_READ_RESID_UNDER bit >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 123		52	1.8 inches from the top, 0.7 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 124		52	2.9 inches from the top, 1.2 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 125		52	4.8 inches from the top, 3.9 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 126		52	5.8 inches from the top, 0.7 inches from the left	This << bytes that could not be transferred >> should be << bytes that were not transferred >>				
LSI 127		52	5.8 inches from the top, 4.3 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 128		52	6.9 inches from the top, 0.7 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 129		52	8.3 inches from the top, 0.7 inches from the left	You really can't put a requirement on the application to check something. So this << The application client shall examine the >> should be << The application client should examine the >>				
LSI 130		53	5.2 inches from the top, 2.7 inches from the left	There is no requirement from whom to verify that the ...? I'm guessing it's the device server. If that is the case then this << There is no requirement to verify that the >> should be << There is no requirement for the device server to verify that the >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 131			7.7 inches from the top, 1.1 inches from the left 53	This << FCP_RESID, FCP_SNS_LEN, and FCP_RSP_LEN fields if the FCP_RESID_UNDER, FCP_RESID_OVER, FCP_SNS_LEN_VALID, and FCP_RSP_LEN_VALID bits were >> should be << FCP_RESID field, FCP_SNS_LEN field, and FCP_RSP_LEN field if the FCP_RESID_UNDER bit, FCP_RESID_OVER bit, FCP_SNS_LEN_VALID bit, and FCP_RSP_LEN_VALID bit were >>				
LSI 132			1.5 inches from the top, 4.6 inches from the left 54	There is no requirement from whom to verify that the ...? I'm guessing it's the device server. If that is the case then this << There is no requirement to verify that the >> should be << There is no requirement for the device server to verify that the >>				
LSI 133			4.2 inches from the top, 1.2 inches from the left 54	This << FCP_BIDI_READ_RESID_UNDER and the FCP_RESID_OVER bits >> should be << FCP_BIDI_READ_RESID_UNDER bit and the FCP_RESID_OVER bit >>				
LSI 134			6.7 inches from the top, 0.9 inches from the left 57	This << normally the Fibre Channel interface circuitry >> contains no information useful to this standard and should be deleted.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 135		58	8.1 inches from the top, 0.7 inches from the left	<p>All this should be above the table 29. And it should have some kind of introduction like &lt;&lt; This mode page uses interconnection tenancy to define a period of time when ... &gt;&gt;□</p> <p>Move this &lt;&lt; An interconnect tenancy is the period of time when an FCP device owns or may access a shared Fibre Channel interconnect. For arbitrated loops (see FC-AL-2) and Fibre Channel Class 1 connections, a tenancy typically begins when an FCP device successfully opens the connection and ends when the FCP device releases the connection for use by other device pairs. Data and other information transfers take place during interconnect tenancies.□</p> <p>Point-to-point or fabric-attached Class 2 or Class 3 links and many other configurations do not have a concept of interconnect tenancy and may perform transfers at any time. &gt;&gt;</p>				
LSI 136		59	9.7 inches from the top, 0.9 inches from the left	This <<This value shall be implemented by all FCP devices. >> should be << The no limit option (i.e., the zero value) shall be implemented by all FCP devices. >>				
LSI 137		60	5.0 inches from the top, 1.3 inches from the left	This << The FAA bit controls >> needs the have the full name of the bit listed. It should be << The xxxx xxxx xxxx (FAA) bit controls >>.				
LSI 138		60	3.9 inches from the top, 1.2 inches from the left	This << FAA, FAB, FAC bits >> should be << FAA bit, FAB bit , and FAC bit >>				
LSI 139		60	5.2 inches from the top, 0.7 inches from the left	This << The FAA bit controls arbitration when the target FCP_Port has one or more FCP_DATA IU frames to transmit to an initiator FCP_Port. >> should be in it's own paragraph.				
LSI 140		60	5.4 inches from the top, 0.7 inches from the left	This << The FAB bit controls >> needs the have the full name of the bit listed. It should be << The xxxx xxxx xxxx (FAB) bit controls >>.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 141		60	5.9 inches from the top, 0.7 inches from the left	This << The FAC bit controls >> needs the have the full name of the bit listed. It should be << The xxxx xxxx xxxx (FAC) bit controls >>.				
LSI 142		60	9.6 inches from the top, 4.2 inches from the left	This << value of this parameter to adjust internal >> should be << value of this field to adjust internal >>				
LSI 143		61	1.8 inches from the top, 2.1 inches from the left	This << the MODE SENSE and MODE SELECT command >> should be << the MODE SENSE command and MODE SELECT command >>				
LSI 144		61	5.3 inches from the top, 3.9 inches from the left	This << bit of one indicates that >> should be << bit set to one indicates that >>				
LSI 145		61	6.2 inches from the top, 3.6 inches from the left	This << the MODE SENSE and MODE SELECT command >> should be << the MODE SENSE command and MODE SELECT command >>				
LSI 146		61	8.1 inches from the top, 0.9 inches from the left	This << logical unit 0 >> should be << LUN 0 >> as that is what it is called in SAM-4.				
LSI 147		61	8.1 inches from the top, 4.4 inches from the left	This << logical unit 0 >> should be << LUN 0 >> as that is what it is called in SAM-4.				
LSI 148		61	8.2 inches from the top, 4.7 inches from the left	This << the MODE SENSE and MODE SELECT command >> should be << the MODE SENSE command and MODE SELECT command >>				
LSI 149		61	8.7 inches from the top, 0.9 inches from the left	This << Some of the bits defined by the Fibre Channel >> should be << Some of the bits values defined by the Fibre Channel >>				
LSI 150		61	8.7 inches from the top, 5.0 inches from the left	This << page require the FCP_Port to violate one >> should be << page results in the FCP_Port to violating one >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 151			61 9.2 inches from the top, 0.4 inches from the left	This << Some of the bits defined by the Fibre Channel Port Control mode page require the FCP_Port to violate one or more of the Fibre Channel standards. The non-standard behaviors have been identified as useful for certain specialized operating environments. >> should be a note.				
LSI 152			65 2.9 inches from the top, 6.9 inches from the left	In table 33 the << Notes >> column should be deleted to be replaced with the T10 standard table notes styles. This will add, for example, a superscript << b >> and a superscript << c >> at the end of the << E_D_TOV >> term in the timer column.				
LSI 153			65 7.7 inches from the top, 1.1 inches from the left	This << NOTES:>> needs to be deleted as it does not follow the t10 style guide.				
LSI 154			65 9.6 inches from the top, 1.3 inches from the left	The notation for an unordered list is a), b), c) not a,b,c this needs to be fixed.				
LSI 155			65 9.9 inches from the top, 1.1 inches from the left	Table notes are indicate with small letter not numbers.				
LSI 156			66 4.5 inches from the top, 0.9 inches from the left	This << S_ID, D_ID, OX_ID, RX_ID, and SEQ_ID fields >> should be << S_ID filed, D_ID field, OX_ID field, RX_ID field, and SEQ_ID field >>				
LSI 157			66 8.4 inches from the top, 3.7 inches from the left	This << expiration of RR_TOV, a target FCP >> should be << expiration of RR_TOV, then a target FCP >>				
LSI 158			67 3.3 inches from the top, 1.8 inches from the left	This << FCP_Port (optional) >> should be << CP_Port (optional). >>. The period is missing.				
LSI 159			68 2.8 inches from the top, 4.2 inches from the left	This << associated resources as described in 12.3. >> should be << associated resources (see 12.3). >>				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 160		68	4.4 inches from the top, 2.0 inches from the left	This << recovery as described in 12.4 shall >> should be << recovery (see 12.4) shall >>				
LSI 161		68	7.7 inches from the top, 2.0 inches from the left	This << defined in FC-FS-3, the same recovery >> should be << defined in FC-FS-3, then the same recovery >>				
LSI 162		69	9.0 inches from the top, 2.9 inches from the left	This << further >> should be deleted as it adds nothing and could be confusing				
LSI 163		69	4.1 inches from the top, 2.8 inches from the left	This << further >> should be deleted as it adds nothing and could be confusing.				
LSI 164		69	7.5 inches from the top, 2.8 inches from the left	This << further >> should be deleted as it adds nothing and could be confusing				
LSI 165		69	9.9 inches from the top, 1.4 inches from the left	Marked set by George Penokie				
LSI 166		70	1.9 inches from the top, 2.6 inches from the left	This << task management request or because of an error. >> should be << task management request or an error. >>				
LSI 167		70	3.4 inches from the top, 5.1 inches from the left	This << the OX_ID and RX_ID field values >> should be << the OX_ID field and RX_ID field values >>				
LSI 168		70	6.5 inches from the top, 2.4 inches from the left	This << error recovery as described in 12.5 shall be >> should be << error recovery (see 12.5) shall be >>				
LSI 169		70	9.4 inches from the top, 0.7 inches from the left	This << If the RX_ID field is FFFFh, target FCP_Ports shall >> should be << If the RX_ID field contains FFFFh, target FCP_Ports shall >>				
LSI 170		71	3.0 inches from the top, 0.8 inches from the left	The indentation of the nested list is not correct. Look at the T10 style guide for the correct indentation.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 171			3.8 inches from the top, 0.7 inches from the left 72	This << an ABTS-LS as specified in 12.3. >> should be << an ABTS-LS (see 12.3). >>				
LSI 172			4.3 inches from the top, 2.7 inches from the left 72	This << recovery as described in 12.5 shall be performed >> should be << recovery shall be performed (see 12.5). >>				
LSI 173			9.0 inches from the top, 1.7 inches from the left 73	This << same S_ID;and >> should be << same S_ID; and >>. Missing space.				
LSI 174			6.7 inches from the top, 4.3 inches from the left 74	This << next data requested, the initiator FCP >> should be << next data requested, then the initiator FCP >>.				
LSI 175			7.5 inches from the top, 0.7 inches from the left 74	This << The target FCP_Port shall first transmit the FCP_ACC for the SRR FCP_LS request, then shall retransmit the requested data specified by the SRR FCP_LS request in a new Sequence, and then complete the Exchange in the normal manner, including transmitting or retransmitting the FCP_RSP IU.>> should be converted into an ordered list. In it's current form it is virtually incomprehensible.				
LSI 176			7.7 inches from the top, 2.6 inches from the left 75	This << within E_D_TOV, the target FCP_ >> should be << within E_D_TOV, then the target FCP_ >>				
LSI 177			7.9 inches from the top, 2.4 inches from the left 75	This << PARAMETER field bot 0 set to one >> should be << PARAMETER field bit 0 set to one >>				
LSI 178			3.5 inches from the top, 2.3 inches from the left 76	This << are unsuccessful, the initiator FCP >> should be << are unsuccessful, then the initiator FCP >>				
LSI 179			4.5 inches from the top, 3.9 inches from the left 76	This << times R_A_TOVELS, the initiator FCP_Port >> should be << times R_A_TOVELS, then the initiator FCP_Port >>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 180		76	5.3 inches from the top, 4.6 inches from the left	This << times R_A_TOVELS, the initiator FCP_Port >> should be << times R_A_TOVELS, then the initiator FCP_Port >>				
LSI 181		76	7.4 inches from the top, 4.8 inches from the left	This << times R_A_TOVELS, the initiator FCP_Port >> should be << times R_A_TOVELS, then the initiator FCP_Port >>				
LSI 182		77	2.0 inches from the top, 0.9 inches from the left	This << frame, the FCP device shall discard >> should be << frame, then the FCP device shall discard >>				
LSI 183		78	6.0 inches from the top, 1.6 inches from the left	This << NOTES:>> needs to be deleted as it does not follow the t10 style guide.				
LSI 184		78	6.9 inches from the top, 1.4 inches from the left	Table notes are indicated with small letter not numbers.				
LSI 185		79	3.1 inches from the top, 4.6 inches from the left	This << (note 1) >> needs to be replaced with a superscript << a >>□ to comply with the T10 standard table notes styles.				
LSI 186		79	3.3 inches from the top, 4.8 inches from the left	This << (note 2) >> needs to be replaced with a superscript << b >>□ to comply with the T10 standard table notes styles.				
LSI 187		79	3.6 inches from the top, 4.8 inches from the left	This << (note 2) >> needs to be replaced with a superscript << b >>□ to comply with the T10 standard table notes styles.				
LSI 188		79	3.9 inches from the top, 4.8 inches from the left	This << (note 2) >> needs to be replaced with a superscript << b >>□ to comply with the T10 standard table notes styles.				
LSI 189		79	9.7 inches from the top, 1.5 inches from the left	Table notes are indicated with small letter not numbers.				
LSI 190		80	3.2 inches from the top, 5.8 inches from the left	This << SCSI initiators or targets. >> needs to match whatever you put in the glossary for these two entities.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 191		86	6.4 inches from the top, 0.7 inches from the left	Delete this section << B.1.11SCSI linked commands >> as linked commands are no longer defined.				
LSI 192		88	2.8 inches from the top, 1.3 inches from the left	This figure title << Figure B.1 - Example of class 2 FCP write operation >> needs to move to the bottom of the figure.				
LSI 193		89	2.6 inches from the top, 1.1 inches from the left	This is no reference to figure B.2. One needs to be added.				
LSI 194		89	7.8 inches from the top, 2.7 inches from the left	This figure title << Figure B.2 - Example of class 2 FCP_DATA write >> needs to move to the bottom of the figure.				
LSI 195		90	7.9 inches from the top, 2.4 inches from the left	This figure title << Figure B.3 - Example of class 2 FCP read operation >> needs to move to the bottom of the figure.				
LSI 196		91	4.0 inches from the top, 0.8 inches from the left	This is no reference to figure B.4. One needs to be added.				
LSI 197		91	8.3 inches from the top, 2.7 inches from the left	This figure title << Figure B.4 - Example of class 2 FCP_DATA read >> needs to move to the bottom of the figure.				
LSI 198		93	1.1 inches from the top, 2.6 inches from the left	None of the figure in this section are referenced. This has to be fixed. I suggest you build a table at the beginning of the section that contains all the names of the figures with a reference to each figure placed in a column.				
LSI 199		93	1.2 inches from the top, 0.9 inches from the left	All the figures in this section have the titles at the top of the figure. They all have to be move to the bottom of the figure.				
LSI 200		93	1.2 inches from the top, 6.2 inches from the left	The paragraph spacing in inconsistent in the figures in this section. Some have no line spacing and other have a line space between the paragraphs. All paragraphs should have a line space between them. This needs to be fixed.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 201		93	2.8 inches from the top, 0.8 inches from the left	The font size in the paragraphs in all the figures seems to be larger than 10 point. If that is the case it needs to be changed to 10 point.				
LSI 202		94	5.2 inches from the top, 2.1 inches from the left	This << LS_RJT (Logical error, Invalid OX_ID - RX_ID combination) for >> should be << LS_RJT (i.e., Logical error, Invalid OX_ID - RX_ID combination) for >>				
LSI 203		97	4.7 inches from the top, 1.3 inches from the left	This << Exchange. (LS_ACC to REC ELS arrived before FCP_XFER_RDY, out of order). >> should be << Exchange (i.e., LS_ACC to REC ELS arrived before FCP_XFER_RDY, out of order). >>				
LSI 204		100	4.4 inches from the top, 0.9 inches from the left	This << Exchange. (LS_ACC to REC ELS arrived before FCP_RSP was sent). >> should be << Exchange. (i.e., LS_ACC to REC ELS arrived before FCP_RSP was sent). >>				
LSI 205		126	4.4 inches from the top, 0.7 inches from the left	You should add hyperlinks to these steps << step 2 and step 3 >>				
LSI 206		127	1.2 inches from the top, 3.1 inches from the left	You should add a hyperlink to this step << step 1 >>				
LSI 207		127	5.4 inches from the top, 1.5 inches from the left	This << during fabric login, a configuration change >> should be << during fabric login, then a configuration change >>				
LSI 208		128	3.7 inches from the top, 0.7 inches from the left	This << transmit an ABTS frame. When it does so, the specified fields should be set as shown in table E.1. >> should be << transmit an ABTS frame and when they do the specified fields should be set as shown in table E.1. >>				
LSI 209		129	1.6 inches from the top, 0.9 inches from the left	This <<with BA_ACC. When it does so, the BA_ACC should be as shown in table E.2. >> should be << with BA_ACC and when they do the BA_ACC should be as shown in table E.2.>>				
LSI 210		129	3.1 inches from the top, 6.7 inches from the left	All the Content cell except the one that states << Recipient >> should have a period at the end of the comment.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
LSI 211		129	4.1 inches from the top, 4.9 inches from the left	This << Invalid (don't care) for Abort >> should be << Invalid (i.e., don't care) for Abort >>				
LSI 212		130	1.6 inches from the top, 0.7 inches from the left	This << BA_RJT. When it does, the BA_RJT should be as shown in table E.3 >> should be << BA_RJT and when they do the BA_RJT should be as shown in table E.3 >>				
LSI 213		130	2.7 inches from the top, 4.9 inches from the left	This << OX_ID field value from ABTS frame >> should be << OX_ID field value from ABTS frame. >> Period added.				
LSI 214		130	3.1 inches from the top, 4.9 inches from the left	This << RX_ID field value from ABTS frame >> should be << RX_ID field value from ABTS frame. >> Period added.				
LSI 215		130	7.5 inches from the top, 5.8 inches from the left	All the Content cell except the one that states << FFFFh >> should have a period at the end of the comment.				
HPQ	1	2		At 8.04 in down and 4.10 in over initiator and target s/b initiator port and target port				
HPQ	2	2		At 8.23 in down and 4.50 in over task s/b command				
HPQ	3	2		At 4.36 in down and 0.98 in over WEb s/b Web				
HPQ	4	2		At 7.00 in down and 2.14 in over 570415 s/b 5704				
HPQ	5	9		At 6.98 in down and 0.44 in over The table of contents should show the annex titles  For example: Annex A should be: A SAM-4 mapping to FCP-4				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	6	14		At 3.11 in down and 4.57 in over sequence s/b Sequence				
HPQ	7	14		At 5.23 in down and 3.30 in over Lower-Level Interfaces s/b SCSI Storage Interfaces				
HPQ	8	14		At 6.70 in down and 3.29 in over Device Level Interfaces s/b Fibre Channel Interfaces				
HPQ	9	14		At 3.30 in down and 1.59 in over Fibre Channel Classes of Service 1, 2, and 3  is out of date. Class 2 is obsolete, and there are some other classes now.				
HPQ	10	15		At 5.76 in down and 1.15 in over Information Units used to transfer SCSI commands, data, and status across a Fibre Channel connection s/b FC-FS-3 frame header				
HPQ	11	15		Comment=FC-GS-6				
HPQ	12	15		At 7.18 in down and 3.43 in over Information Unit s/b FCP Information Unit				
HPQ	13	15		At 7.45 in down and 2.25 in over the SCSI management features for Fibre Channel, including				
HPQ	14	15		At 7.63 in down and 1.34 in over the protocol for transmitting SCSI information over Fibre Channel. s/b FCP				
HPQ	15	15		At 7.89 in down and 3.93 in over error recovery algorithms s/b operation and recovery				
HPQ	16	15		At 8.15 in down and 2.49 in over error recovery algorithms s/b link error detection and error recovery procedures				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	17	15		At 9.31 in down and 1.15 in over the protocol for transmitting SCSI information over Fibre Channels/b FCP				
HPQ	18	15		At 5.31 in down and 3.47 in over protocol s/b FCP protocol				
HPQ	19	15		At 6.21 in down and 1.15 in over the protocol for transmitting SCSI information over Fibre Channels/b FCP				
HPQ	20	15		Comment=-4				
HPQ	21	15		At 6.92 in down and 1.15 in over the protocol for transmitting SCSI information over Fibre Channels/b FCP				
HPQ	22	15		Comment=-4				
HPQ	23	15		Comment=-4				
HPQ	24	15		At 8.42 in down and 0.95 in over The Fibre Channel Protocol for SCSI, Fourth Version (FCP-4) standard has the following annexes:				
HPQ	25	15		At 10.02 in down and 1.15 in over SCSI device capabilities over Fibre Channel s/b FCP device capabilities				
HPQ	26	16		At 2.02 in down and 4.15 in over INCITS Project 1683-D  SAM-4 should have an ANSI INCITS-xxx number now				
HPQ	27	17		Comment=r				
HPQ	28	17		At 3.90 in down and 0.95 in over and describes additional error recovery capabilities for the Fibre Channel Protocol.  That was new in FCP-3, but is no longer new in FCP-4.				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	29	17		At 8.08 in down and 1.45 in over Delete: INCITS TR-36-2004, Fibre Channel - Device Attach (FC-DA)  and upgrade all references to FC-DA to FC-DA-2. Don't refer to two versions of a standard simultaneously.				
HPQ	30	17		At 7.80 in down and 1.45 in over Delete: ANSI/INCITS 402-2005, SCSI Architecture Model - 3 (SAM-3)  and upgrade all references to SAM-4. Don't refer to two versions of a standard simultaneously.				
HPQ	31	17		At 1.81 in down and 0.33 in over Page 1 has 1" margins on both left and right.  Even pages 2+ have 0.8" margins on the left and 1" margins on the right.  Odd pages 3+ have 1" margins on the left and 0.8" margins on the right.  I suggest using 0.9" margins on both sides on all pages.				
HPQ	32	17		At 7.23 in down and 1.35 in over Published standard and technical report references s/b Approved references				
HPQ	33	18		At 5.08 in down and 0.70 in over Delete: and Class 4  as it is obsolete in FC-FS-3				
HPQ	34	18		At 5.78 in down and 4.29 in over SCSI commands s/b commands and task management function requests				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	35	18		At 6.51 in down and 0.69 in over Delete: 3.1.5 autosense data: Sense data (see 3.1.50) that is returned in the FCP_RSP IU payload. See SAM-4.  SAM-4 no longer defines such a term.  Separate comments are provided to dispose of each use of autosense.				
HPQ	36	18		At 7.03 in down and 1.20 in over after: command descriptor block add: (CDB)				
HPQ	37	18		At 10.37 in down and 5.44 in over tasks s/b commands				
HPQ	38	18		At 9.66 in down and 1.39 in over See SAM-4. s/b See 6.3 and 9.3.				
HPQ	39	18		At 7.66 in down and 0.70 in over SCSI command s/b command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	40	18		<p>At 2.93 in down and 0.70 in over            Copies of these INCITS T10 and T11 draft standards and technical reports are available for purchase from Global Engineering Documents. For further information, contact Global Engineering Documents at 800-854-7179 (phone) or 303-792-2181 (phone) or by mail at 15 Inverness Way East, Englewood, CO 80122-5704. The INCITS T10 draft standards are also available on the web site <a href="http://www.t10.org">www.t10.org</a>. The INCITS T11 draft standards and technical reports are also available on the web site <a href="http://www.t11.org">www.t11.org</a>.</p> <p>s/b            NOTE - For more information on the current status of these documents, contact the INCITS Secretariat at 202-737-8888 (phone), 202-638-4922 (fax) or via Email at <a href="mailto:incits@itic.org">incits@itic.org</a>. To obtain copies of these documents, contact Global Engineering at 15 Inverness Way, East Englewood, CO 80112-5704 at 303-792-2181 (phone), 800-854-7179 (phone), or 303-792-2192 (fax) or see <a href="http://www.incits.org">http://www.incits.org</a>.</p> <p>and delete the first paragraph in 2.3 as well</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	41	18		<p>At 3.83 in down and 0.70 in over                      The following references are the product of the SFF committee. For information on the current status and availability of the documents, contact the SFF committee at 408-867-6630 (phone) or by mail at 14426 Black Walnut Court, Saratoga, CA 95070.                      s/b                      NOTE - For more information on the current status of SFF documents, contact the SFF Committee at 408-867-6630 (phone), or 408-867-2115 (fax). To obtain copies of these documents, contact the SFF Committee at 14426 Black Walnut Court, Saratoga, CA 95070 at 408-867-6630 (phone) or 408-741-1600 (fax) or see <a href="http://www.sffcommittee.org">http://www.sffcommittee.org</a>.</p> <p>following the SFF line rather than preceding it</p>				
HPQ	42	19		<p>At 7.45 in down and 0.94 in over                      Delete:                      3.1.26 initiator: A SCSI device containing application clients that originate device service requests and task management functions to be processed by a target SCSI device. In this standard, the word initiator also refers to an FCP_Port using the Fibre Channel Protocol to perform the SCSI initiator functions defined by SAM-4.</p> <p>and get rid of any bare "initiator"s that remain in the text. (Separate comments provided for several of them)</p>				
HPQ	43	19		<p>At 8.36 in down and 0.95 in over                      or of a SCSI target/initiator port when operating as a SCSI initiator port</p>				
HPQ	44	19		<p>At 4.62 in down and 0.95 in over                      fully qualified exchange identifier                      s/b                      fully qualified Exchange identifier (FQXID)</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	45	19		At 2.93 in down and 0.95 in over an Originator Exchange_ID (OX_ID) and a Responder Exchange_Identifier (RX_ID) s/b OX_ID and RX_ID				
HPQ	46	19		At 2.09 in down and 3.45 in over sequence s/b Sequence				
HPQ	47	19		At 1.90 in down and 5.81 in over sequence s/b Sequence				
HPQ	48	19		At 2.29 in down and 1.11 in over sequence s/b Sequence				
HPQ	49	19		At 9.25 in down and 2.90 in over manages tasks to process s/b manages and processes				
HPQ	50	19		At 7.71 in down and 7.00 in over add: s/b In this standard, the address identifier of the initiator FCP_Port is an initiator port identifier.				
HPQ	51	19		At 3.38 in down and 1.58 in over SCSI Command s/b command				
HPQ	52	20		At 9.99 in down and 5.14 in over Delete a series of linked SCSI commands, Linked commands are obsolete in SAM-4.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	53	20		At 4.81 in down and 0.70 in over 3.1.40Port Identifier: An address identifier (see 3.1.2) assigned to an N_Port or NL_Port during implicit or explicit fabric login (see FC-LS).  Either a) delete this term and use "address identifier" everywhere it is used. b) change this to N_Port_ID, which is the term defined and used in FC-FS-3.				
HPQ	54	20		At 8.37 in down and 0.70 in over Data returned to an application client as a result of an autosense operation or REQUEST SENSE command. See SPC-4. s/b Data describing an error or exceptional condition that a device server delivers to an application client in an FCP_RSP frame along with a CHECK CONDITION status or as parameter data in response to a REQUEST SENSE command. See SPC-4.				
HPQ	55	20		At 5.53 in down and 1.20 in over Port_Name s/b N_Port_Name  to match FC-FS-3. (separate comments added for each use in the text)				
HPQ	56	20		At 5.52 in down and 5.68 in over after: . add: See FC-FS-3.				
HPQ	57	20		At 8.63 in down and 3.34 in over after: Data frames add: (see 3.1.11)				
HPQ	58	20		At 9.18 in down and 0.53 in over Add Sequence_ID (SEQ_ID): An identifier used to identify a Sequence. See FC-FS-3.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	59	20		At 4.17 in down and 0.70 in over Originator Exchange Identifier s/b Originator Exchange_ID (OX_ID)  to match FC-FS-3				
HPQ	60	20		At 7.73 in down and 0.70 in over Responder Exchange Identifier s/b Responser Exchange_ID (RX_ID)  to match FC-FS-3				
HPQ	61	20		At 8.82 in down and 2.24 in over N_Port to another N_Port s/b Nx_Port to another Nx_Port  - but - this standard doesn't define Nx_Port.				
HPQ	62	21		At 8.27 in down and 0.42 in over Delete the . from the end of most of the abbreviation lines (e.g., in ABTS, ABTS-LS, ... but not in ID. LS, ...)				
HPQ	63	21		At 5.12 in down and 0.95 in over Delete or group of linked commands  Linked commands are obsolete in SAM-4.				
HPQ	64	21		At 9.36 in down and 0.75 in over Add: CDB command descriptor block (see 3.1.7)				
HPQ	65	21		Comment=unsigned binary				
HPQ	66	21		At 3.77 in down and 2.14 in over identifer s/b identifier				
HPQ	67	21		At 4.67 in down and 0.95 in over or of a SCSI target/initiator port when operating as a SCSI target port				
HPQ	68	21		At 2.03 in down and 0.95 in over In all cases when this term is used it refers to an initiator port or a SCSI target/initiator port operating as a SCSI initiator port.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	69	21		At 6.02 in down and 0.95 in over A peer-to-peer confirmed service provided by a task manager that may be invoked by an application client to affect the processing of one or more tasks s/b A task manager service capable of being requested by an application client to affect the processing of one or more commands				
HPQ	70	21		At 5.39 in down and 2.38 in over The queuing specification for a task s/b An attribute of a command that specifies the processing relationship of the command with regard to other commands in the task set				
HPQ	71	21		At 4.94 in down and 0.94 in over Delete 3.1.61 task:  That term was eradicated from SAM-4.				
HPQ	72	21		Comment=that contains a task router and				
HPQ	73	21		At 2.86 in down and 0.95 in over indications and responses s/b requests, indications, responses, and confirmations				
HPQ	74	21		At 1.64 in down and 4.52 in over requests, indications, responses, and confirmations s/b requests and confirmations				
HPQ	75	21		At 2.22 in down and 0.95 in over In this standard, the term SCSI initiator port also refers to an FCP_Port using the Fibre Channel protocol to perform the SCSI initiator port functions defined by SAM-4. s/b In this standard, an initiator FCP_Port is a SCSI initiator port.				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	76	21		At 3.05 in down and 0.95 in over In this standard, the term SCSI target port also refers to an FCP_Port using the Fibre Channel protocol to perform the SCSI target port functions defined by SAM-4. s/b In this standard, an target FCP_Port is a SCSI target port.				
HPQ	77	21		At 4.21 in down and 0.95 in over An address identifier (see 3.1.2) that a SCSI initiator port uses to identify the SCSI target port. s/b A value by which a SCSI target port is identified in a domain. In this standard, the address identifier of a target FCP_Port is a target port identifier.				
HPQ	78	22		At 9.91 in down and 0.57 in over Add SEQ_ID □ Sequence_ID				
HPQ	79	22		At 7.88 in down and 4.04 in over (see FC-FS-3) s/b (see 3.1.xx)				
HPQ	80	22		At 9.44 in down and 4.15 in over (see FC-FS-3) s/b (see 3.1.xx)				
HPQ	81	22		At 4.24 in down and 3.04 in over exchange s/b Exchange				
HPQ	82	24		At 4.36 in down and 0.90 in over Use the table from SSC-3 which includes the 3.14159265 example				
HPQ	83	25		At 3.81 in down and 1.50 in over two ports s/b two NL_Ports				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	84	25		At 3.81 in down and 3.50 in over a port on the loop and a port on a switching fabric s/b a NL_Port on the loop an an N_Port on a switching fabric				
HPQ	85	25		At 3.10 in down and 0.95 in over Seems extraneous - suggest this editorial comment be stricken.				
HPQ	86	26		At 6.93 in down and 0.69 in over Delete or a list of linked requests  Linked commands are obsolete in SAM-4.				
HPQ	87	26		At 3.34 in down and 1.40 in over Expand: Send SCSI Command request   Unsolicited command IU (FCP_CMND)  to Send SCSI Command request   Sending an unsolicited command IU (FCP_CMND) SCSI Command Received indication   Receiving an unsolicited command IU (FCP_CMND)				
HPQ	88	26		At 4.17 in down and 1.40 in over Expand: Send Command Complete response   Command status IU (FCP_RSP)  into: Send Command Complete response   Sending a command status IU (FCP_RSP) Command Complete Received confirmation   Receiving a command status IU (FCP_RSP)				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	89	26		At 3.62 in down and 1.40 in over Data delivery request   Data descriptor IU (FCP_XFER_RDY) s/b Receive Data-Out request   Data descriptor IU (FCP_XFER_RDY) Data-Out Received confirmation   Receipt of solicited data IU (FCP_DATA)				
HPQ	90	26		At 3.89 in down and 1.40 in over Data delivery action   Solicited data IU (FCP_DATA) s/b Send Data-In request   Sending solicited data IO (FCP_DATA) Data-In Delivered confirmation   depends on class of service				
HPQ	91	26		At 4.57 in down and 0.96 in over Add:  Send Task Management request   sending the FCP equivalent specified in table 3 in 4.9 Task Management Request Received indication   receiving the FCP equivalent specified in see 4.9 Task Management Function Executed response   sending the response specified in table 4 in 4.9.1, table 5 in 4.9.2, or table 6 in 4.9.3 Received Task Management Function Executed response   receiving the response specified in table 4 in 4.9.1, table 5 in 4.9.2, or table 6 in 4.9.3				
HPQ	92	26		At 8.14 in down and 0.94 in over FCP_Port that is the initiator for the command s/b initiator FCP_Port				
HPQ	93	26		At 9.74 in down and 1.81 in over initiator s/b initiator FCP_Port				
HPQ	94	26		At 9.93 in down and 3.22 in over target s/b target FCP_Port				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	95	26		Comment=.				
HPQ	96	26		At 8.72 in down and 0.70 in over Delete: invoke the Send SCSI Command SCSI transport protocol service request (see SAM-4) and  the application client already invoked it.				
HPQ	97	26		At 9.36 in down and 0.70 in over When s/b If  Since not all commands are writes, this is just one possibility.				
HPQ	98	26		At 7.37 in down and 0.30 in over In 4.2, either embed the "or task management function" concept throughout the description, or make these paragraphs dedicated for commands and add another set of paragraphs for task management functions.  Right now, the first paragraph mentions both, but subsequent paragraphs only mention commands.				
HPQ	99	26		At 6.55 in down and 2.55 in over Send Task Management request s/b Send Task Management Request				
HPQ	100	26		At 9.74 in down and 0.70 in over it transmits a data descriptor IU containing the FCP_XFER_RDY IU payload to the s/b it invokes the Receive Data-Out transport protocol service request and the target FCP_Port transmits a data descriptor IU containing the FCP_XFER_RDY IU payload to the				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	101	26		At 10.32 in down and 0.69 in over The FCP_XFER_RDY IU and FCP_DATA IU payloads constitute the Receive Data-Out protocol service request and Data-Out Received service confirmation described in SAM-4.				
HPQ	102	26		At 3.06 in down and 1.40 in over Protocol Service s/b transport protocol service				
HPQ	103	26		At 4.45 in down and 1.39 in over Delete: REQ/ACK for Command Complete Confirmation IU (FCP_CONF)  SAM-4 doesn't discuss confirming the Send Command Complete response or the Task Management Function Executed response; the device server just invokes it and hopes it works.				
HPQ	104	26		At 7.12 in down and 3.81 in over SCSI command s/b command				
HPQ	105	26		At 7.31 in down and 5.24 in over SCSI command s/b command				
HPQ	106	26		At 7.50 in down and 5.98 in over SCSI command s/b command				
HPQ	107	26		Comment=SCSI				
HPQ	108	27		At 6.82 in down and 6.62 in over Delete (Linked commands are obsolete in SAM-4):  command linking,				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	109	27		At 7.59 in down and 0.95 in over Delete (Linked commands are obsolete in SAM-4): The device server determines whether additional linked commands are to be performed in the FCP I/O operation. If this is the last or only command processed in the FCP I/O operation, the FCP I/O operation and the Exchange are terminated. (note: there may be need to keep part of the second sentence)				
HPQ	110	27		At 10.40 in down and 0.95 in over Delete (Linked commands are obsolete in SAM-4):  If the command is linked to another command, the FCP_RSP IU payload shall contain the proper status (i.e., INTERMEDIATE or INTERMEDIATE-CONDITION MET) indicating that another command shall be processed.The target FCP_Port shall present the FCP_RSP using the IU that allows command linking, I5 (see 9.1). The initiator FCP_Port shall continue the same Exchange with an FCP_CMND IU, beginning the next SCSI				
HPQ	111	27		At 6.63 in down and 6.74 in over autosense data s/b sense data				
HPQ	112	27		At 7.77 in down and 5.87 in over autosense data s/b sense data				
HPQ	113	27		At 1.83 in down and 0.95 in over initiator and target s/b initiator FCP_Port and target FCP_Port				
HPQ	114	27		At 3.88 in down and 3.10 in over initiator s/b initiator FCP_Port				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	115	27		At 5.79 in down and 1.14 in over initiator and target s/b initiator FCP_Port and target FCP_Port				
HPQ	116	27		At 8.60 in down and 2.11 in over SCSI device s/b SCSI target device				
HPQ	117	27		At 8.80 in down and 4.57 in over initiator s/b SCSI initiator device				
HPQ	118	27		At 2.29 in down and 0.95 in over When s/b If				
HPQ	119	27		At 3.31 in down and 0.95 in over When s/b If				
HPQ	120	27		At 6.24 in down and 4.56 in over transmits s/b invokes				
HPQ	121	27		At 8.03 in down and 5.80 in over return s/b invoke				
HPQ	122	27		At 8.03 in down and 3.09 in over returned information is used to prepare and return s/b the initiator FCP_Port uses returned information to invoke				
HPQ	123	27		At 1.83 in down and 6.39 in over , s/b , then				
HPQ	124	27		At 3.69 in down and 4.64 in over , s/b , then				
HPQ	125	27		At 4.65 in down and 6.32 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	126	27		At 5.79 in down and 6.60 in over , s/b , then				
HPQ	127	27		At 7.01 in down and 4.18 in over , s/b , then				
HPQ	128	27		At 7.58 in down and 6.75 in over , s/b , then				
HPQ	129	27		At 7.01 in down and 6.01 in over sequence s/b Sequence				
HPQ	130	27		At 2.86 in down and 0.95 in over the target FCP_Port transmits a solicited data IU to the initiator FCP_Port. The solicited data IU shall contain the FCP_DATA IU payload. The FCP_DATA IU constitutes the Send Data-In protocol service request described in SAM-4. s/b it invokes the Send Data-In transport protocol service request (see SAM-4) and the target FCP_Port transmits a solicited data IU containing the FCP_DATA IU payload to the initiator FCP_Port.				
HPQ	131	27		At 4.65 in down and 0.94 in over The FCP_XFER_RDY IU and FCP_DATA IU payloads constitute the Receive Data-Out protocol service request and Data-Out Received service confirmation described in SAM-4.				
HPQ	132	27		At 5.03 in down and 1.52 in over The FCP_DATA IU constitutes the Send Data-In protocol service request described in SAM-4.				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	133	27		At 3.88 in down and 0.95 in over it transmits a data descriptor IU containing the FCP_XFER_RDY IU payload s/b it invokes the Receive Data Out transport protocol service and the target FCP_Port transmits a data descriptor IU containing the FCP_XFER_RDY IU payload				
HPQ	134	27		At 4.26 in down and 0.95 in over the solicited data IU to the target FCP_Port. The solicited data IU shall contain the FCP_DATA IU payload requested by the FCP_XFER_RDY IU. s/b a solicited data IU containing the FCP_DATA IU payload requested by the FCP_XFER_RDY IU  (match wording in the write operation paragraph)				
HPQ	135	27		At 5.03 in down and 0.95 in over the target FCP_Port transmits a solicited data IU to the initiator FCP_Port. The solicited data IU shall contain the FCP_DATA IU payload. s/b it invokes the Send Data-In transport protocol service request (see SAM-4) and the target FCP_Port transmits a solicited data IU containing the FCP_DATA IU payload to the initiator FCP_Port.				
HPQ	136	27		At 5.60 in down and 7.55 in over add:  , except that only one Data-In or Data-Out transfer operation is allowed at a time in an Exchange.				
HPQ	137	27		At 6.43 in down and 0.95 in over protocol service response s/b transport protocol service response				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	138	27		At 6.43 in down and 2.89 in over by requesting the transmission of an IU s/b and the target FCP_Port transmits a command status IU				
HPQ	139	27		At 8.22 in down and 1.53 in over protocol service confirmation s/b transport protocol service confirmation				
HPQ	140	27		At 8.22 in down and 3.46 in over to the application client that requested the operation. s/b to notify the application client.				
HPQ	141	27		At 9.37 in down and 3.60 in over a protocol service indication that confirms delivery s/b confirmed delivery  (this does not fit into anything defined by SAM-4, so calling it a "protocol service indication" is inappropriate)				
HPQ	142	27		At 1.64 in down and 1.98 in over SCSI command s/b command				
HPQ	143	27		At 3.05 in down and 0.95 in over SCSI command s/b command				
HPQ	144	27		At 5.41 in down and 4.93 in over SCSI command s/b command				
HPQ	145	27		At 6.82 in down and 5.28 in over SCSI command s/b command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	146	28		At 2.22 in down and 0.70 in over Delete (Linked commands are obsolete in SAM-4);  command. All SCSI commands linked in the FCP I/O operation except the last are processed in the manner described above. SAM-4 defines the cases that interrupt and terminate a series of linked commands. In those cases, the FCP_RSP IU of the last command in the set of linked commands shall be transmitted using the IU that does not allow command linking, I4 (see 9.1). See 4.5.				
HPQ	147	28		At 7.72 in down and 1.65 in over were s/b where				
HPQ	148	28		At 8.55 in down and 4.91 in over initiator s/b SCSI initiator port				
HPQ	149	28		At 5.80 in down and 3.78 in over bit s/b bit to one				
HPQ	150	28		At 10.15 in down and 0.70 in over page. See 10.3. s/b page (see 10.3).				
HPQ	151	28		At 2.67 in down and 7.41 in over , s/b , then				
HPQ	152	28		At 6.82 in down and 7.41 in over , s/b , then				
HPQ	153	28		At 8.74 in down and 4.46 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	154	28		At 6.63 in down and 0.70 in over Why is this necessary? □ It says right above that unidirectional payloads shall use the unidirectional FCP_RSP so by definition device servers that do not support bidirectional commands can't use the bidirectional FCP_RSP				
HPQ	155	28		Comment=				
HPQ	156	28		Comment=where				
HPQ	157	28		At 7.48 in down and 2.36 in over SCSI commands s/b commands				
HPQ	158	28		At 7.91 in down and 3.48 in over SCSI commands s/b commands				
HPQ	159	29		At 2.86 in down and 3.03 in over initiator s/b initiator FCP_Port				
HPQ	160	29		At 5.31 in down and 1.56 in over initiator s/b initiator FCP_Port				
HPQ	161	29		At 3.43 in down and 2.42 in over "and for task management functions" is incorrect.  The CRN itself simply does not exist for task management functions. The COMMAND REFERENCE NUMBER field in the FCP_CMND IU does exist when that IU is being used to deliver a task management request, and it is set to zero in that case.				
HPQ	162	29		At 4.98 in down and 5.11 in over There is no "CRN field".  There is a CRN (uppercase) described in the text above, and a COMMAND REFERENCE NUMBER (smallcaps) field in the FCP_CMND IU. They are not the same.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	163	29		At 5.48 in down and 3.80 in over receipt of  Convert into an A)B)C) list				
HPQ	164	29		At 7.31 in down and 3.93 in over CRN set to zero  is meaningless for task management functions - SAM-4 defines no such thing. □The FCP_CMND IU COMMAND REFERENCE NUMBER (smallcaps) field, however, does exist, and is set to zero for TMFs.				
HPQ	165	29		At 7.90 in down and 6.87 in over that used s/b that are used				
HPQ	166	29		At 8.61 in down and 1.38 in over FCP devices s/b device servers				
HPQ	167	29		At 1.64 in down and 6.73 in over , s/b , then				
HPQ	168	29		At 9.44 in down and 7.66 in over , s/b , then				
HPQ	169	29		At 2.02 in down and 0.95 in over protocol service s/b transport protocol service				
HPQ	170	29		Comment=				
HPQ	171	29		Comment=i.e.				
HPQ	172	29		Comment=				
HPQ	173	29		Comment=that are used				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	174	30		<p>At 3.98 in down and 0.70 in over Delete (Linked commands are obsolete in SAM-4):</p> <p>If command linking is being performed, the target FCP_Port shall not request confirmed completion for an FCP_RSP IU containing INTERMEDIATE or INTERMEDIATE-CONDITION MET status. The target FCP_Port may request confirmed completion:</p> <p>a)when providing the FCP_RSP IU for the last command of the set of linked commands; or</p> <p>b)when providing the FCP_RSP IU for a command that terminates linking because of an error or CHECK CONDITION status.</p>				
HPQ	175	30		<p>At 4.81 in down and 1.07 in over autosense data s/b sense data</p>				
HPQ	176	30		<p>At 4.81 in down and 6.41 in over autosense data s/b sense data</p>				
HPQ	177	30		<p>At 4.21 in down and 2.74 in over initiators and targets s/b SCSI initiator devices and SCSI target devices</p>				
HPQ	178	30		<p>At 9.54 in down and 7.41 in over : s/b , then:</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	179	30		At 10.26 in down and 0.50 in over Item b) "shall support" is not well-placed in a list prefaced by "If an error is identified by..."  The "shall support" statement is true even if an error is not identified yet.  Split out that rule to be based on only "if data retransmission capability is supported..."				
HPQ	180	30		At 2.74 in down and 3.04 in over , s/b , then				
HPQ	181	30		At 4.97 in down and 5.03 in over queued SCSI command s/b command				
HPQ	182	30		Comment=queued				
HPQ	183	31		At 4.83 in down and 3.05 in over shall be zero s/b shall be set to zero				
HPQ	184	31		At 4.06 in down and 4.63 in over , s/b , then				
HPQ	185	31		At 4.83 in down and 1.72 in over , s/b , then				
HPQ	186	33		At 5.73 in down and 1.60 in over QUERY UNIT ATTENTION s/b QUERY ASYNCHONOUS EVENT  to match final SAM-4				
HPQ	187	33		At 5.89 in down and 3.44 in over FCP_QUERY_UNIT_ATTENTION s/b FCP_QUERY_ASYNCHRONOUS_EVENT  to match final SAM-4				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	188	33		At 6.18 in down and 1.73 in over Delete: a) FC-FS-3 BLSs are used to perform the ABORT TASK task management function.  There is no such footnote for QUERY TASK/REC ELS (see FC-LS), and it doesn't seem to provide any new information.				
HPQ	189	33		At 2.95 in down and 4.06 in over (see FC-FS-3) s/b (see 4.9.2 and FC-FS-3)				
HPQ	190	33		At 5.00 in down and 4.08 in over (see FC-LS) s/b (see 4.9.3 and FC-LS)				
HPQ	191	33		At 7.18 in down and 2.72 in over the s/b , then the				
HPQ	192	33		At 7.78 in down and 2.09 in over Exchnage s/b Exchange				
HPQ	193	33		Comment=				
HPQ	194	33		Comment=Exchange				
HPQ	195	34		At 6.93 in down and 1.55 in over functions s/b function				
HPQ	196	34		At 5.00 in down and 6.50 in over task s/b command				
HPQ	197	34		At 6.47 in down and 0.89 in over task abort events s/b something else				
HPQ	198	35		At 2.54 in down and 1.80 in over functions s/b function				
HPQ	199	36		At 5.67 in down and 0.64 in over Change to lettered table footnotes, delete "NOTES:"				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	200	36		At 5.76 in down and 3.50 in over , s/b , then				
HPQ	201	36		At 6.16 in down and 4.87 in over , s/b , then				
HPQ	202	36		At 2.56 in down and 6.88 in over ABTS (Sequence) s/b ABTS				
HPQ	203	36		At 1.99 in down and 1.75 in over Merge Clearing effect cell with blank cell above				
HPQ	204	37		At 2.06 in down and 0.70 in over Make the Clearing effect column in table 8 wider so the "Only for FCP Sequences associated with Aborted FCP Exchanges" line doesn't wrap				
HPQ	205	37		At 5.71 in down and 1.33 in over Change to lettered table footnotes, delete "NOTES:"				
HPQ	206	37		At 10.29 in down and 2.07 in over , s/b , then				
HPQ	207	37		At 10.29 in down and 6.26 in over reason code s/b a Reason Code set to				
HPQ	208	37		At 10.48 in down and 2.92 in over reason code explanation s/b a Reason Code Explanation set to				
HPQ	209	37		At 10.29 in down and 2.15 in over Is this a "shall respond" or a "may respond"?				
HPQ	210	37		Comment=Fix double-line on top right				
HPQ	211	37		At 2.18 in down and 2.61 in over Merge Clearing effect cell with blank cell above				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	212	38		At 8.86 in down and 0.70 in over shall assign the new initiator port identifier to the existing registration and reservation to the initiator FCP_Port having the same Worldwide_Name  is unclear, and Worldwide_Name is misused.  Reword as an a)b) list: shall a) assign the new initiator port identifier to the existing registration b) set the reservation holder to the initiator FCP_Port having the same N_Port_Name.				
HPQ	213	38		At 7.91 in down and 5.66 in over between s/b between the				
HPQ	214	38		At 4.51 in down and 6.39 in over 3. Each  start new paragraph with "Each" to separate the address identifier definition from the FQXID definition				
HPQ	215	38		At 5.18 in down and 0.46 in over Mention that the RX_ID field value does not exist at the beginning of the FCP I/O operation, and it may change during the FCP I/O operation.				
HPQ	216	38		At 7.72 in down and 5.69 in over Port_Name s/b N_Port_Name				
HPQ	217	38		At 8.48 in down and 6.32 in over Worldwide_Name s/b N_Port_Name				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	218	38		At 9.70 in down and 1.18 in over after: The Worldwide_Name for the FCP_Port shall be different from the Worldwide_Name for the node add: (i.e., the N_Port_Name shall be different from the Node_Name).				
HPQ	219	38		Add: "Each FCP device should include a SCSI device name in NAA IEEE Registered format (see SPC-4). If the FCP device includes a Platform Name (see FC-GS-6), then the Platform Name shall be the same as the SCSI device name.  In the Device Identification VPD page, a device server in an FCP target device that implements a SCSI device name: a) shall report the SCSI device name in binary NAA format; and b) should report the SCSI device name in SCSI name string format (e.g., "naa." followed by 16 hexadecimal digits followed by 4 ASCII null characters)."  Also add this to the SAM-5 names & identifiers annex (IEEE Registered format, 8 bytes).  SAM-4 allows a transport protocol to mandate implementing device names and define their format.  Node names were never well defined in FC, always unclear whether they named a Port, an HBA (a set of Ports on the same card), or a system (set of cards in a system). They are thus worthless.				
HPQ	220	38		At 6.83 in down and 1.56 in over World Wide Names s/b Worldwide_Names				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	221	38		At 7.07 in down and 2.19 in over each Fibre Channel node and each Fibre Channel port shall have a Worldwide_Name s/b each Fibre Channel node shall have a Node_Name that is a Worldwide_Name and each Fibre Channel port shall have an N_Port_Name that is a Worldwide_Name.				
HPQ	222	38		At 8.67 in down and 3.24 in over , s/b , then				
HPQ	223	38		At 6.37 in down and 6.64 in over task identifier s/b command identifier				
HPQ	224	39		At 6.84 in down and 0.28 in over FC-FS-3 divides R_CTL into two fields: ROUTING and INFORMATION.  FCP-4 should say something like: "The R_CTL field is subdivided into a ROUTING field and an INFORMATION field (see FC-FS-3). The ROUTING field shall be set to 0h (i.e. Device_Data) and the INFORMATION field shall be set to the value defined in table 19 and table 20."  Or, change table 19 and table 20 to relate the full byte value for R_CTL, and ignore the subfields. Change entries like 6 to 06h				
HPQ	225	39		At 10.29 in down and 1.23 in over value in the TYPE field shall be 08h s/b TYPE field shall be set to 08h (i.e., Fibre Channel Protocol)... (see FC-FS-3).				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	226	39		At 2.98 in down and 2.96 in over 31- 24 s/b 31-24 (no space)  to match the other column headers in this table				
HPQ	227	40		At 6.25 in down and 0.44 in over FC-FS-3 has some more specific rules about RX_ID assignment that clarify the only time the target FCP_Port is allowed to select the RX_ID:  "The Responder of the Exchange shall set a unique value for RX_ID other than FF FFh, if RX_ID is being used, by one of two methods: a) in an ACK to a Data frame in the first Sequence of an Exchange in Class 1 and 2; or b) in the first Sequence transmitted as a Sequence Initiator, if any, in Class 3."  FCP's statement "until the Exchange Responder assigns a different value in its response to the Exchange Originator" is looser than that, and should be tightened.				
HPQ	228	40		At 6.61 in down and 5.20 in over FCP type (i.e., 08h) s/b TYPE field set to 08h (i.e., Fibre Channel Protocol).				
HPQ	229	40		At 6.87 in down and 0.70 in over For frames of the solicited data category (i.e., FCP_DATA IUs) (see 9.1 and 9.4) s/f For a frame with the R_CTL field set to 01h (i.e., solicited data)(i.e., an FCP_DATA IU),				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	230	40		<p>At 8.09 in down and 0.70 in over                      For frames of the unsolicited control category (i.e., FCP_CMND IUs) (see 9.1 and 9.2)                      s/b                      For a frame with the R_CTL field set to 02h (i.e., unsolicited control)(i.e., an FCP_CMND IU)</p> <p>FCP_CMND IU is described as having R_CTL of 06h in table 19, which means "Unsolicited command" not "Unsolicited control" according to FC-FS-3. So, the current "i.e." doesn't match the text. Decide if 02h, 06h, or both are intended, and word the text accordingly.</p>				
HPQ	231	40		<p>At 9.30 in down and 0.70 in over                      For all other Device_Data frames with the FCP type (i.e., 08h)                      s/bFor a frame with R_CTL set to 0xh other than 01h and 02h,</p>				
HPQ	232	40		<p>At 7.26 in down and 3.42 in over                      For the solicited data category (FCP_DATA IUs)</p> <p>The paragraph is already restricted to that case</p>				
HPQ	233	40		<p>At 7.45 in down and 4.53 in over                      For solicited data category frames,</p> <p>The paragraph is already restricted to that case</p>				
HPQ	234	40		<p>At 8.85 in down and 3.10 in over                      contain a value of zero                      s/b                      be set to zero</p>				
HPQ	235	40		<p>At 8.47 in down and 4.55 in over                      ,                      s/b                      , then</p>				
HPQ	236	40		<p>At 8.85 in down and 1.47 in over                      ,                      s/b                      , then</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	237	41		At 8.16 in down and 0.95 in over successfully s/c successfully				
HPQ	238	41		At 5.73 in down and 2.56 in over WWPN s/b Port_Name				
HPQ	239	41		At 5.73 in down and 5.45 in over WWPN s/b Port_Name				
HPQ	240	41		At 9.94 in down and 0.95 in over If multiple images are required in an initiator FCP_Port, they shall be provided by transparent aliasing of the N_Port Identifier of the initiator FCP_Port. If multiple images are required in a target FCP_Port, they shall be provided by SCSI logical units.  1. Mention NPIV instead. 2. Downgrade the "shall"s. On the target side, supporting NPIV is also feasible - multiple logical units are not the only solution.				
HPQ	241	41		At 5.35 in down and 1.20 in over Note 1 s/b NOTE 1  and the text should use 9pt font.				
HPQ	242	41		At 6.11 in down and 5.31 in over , s/b , then				
HPQ	243	41		At 7.59 in down and 2.07 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	244	42		At 7.51 in down and 0.70 in over 6.3.2 Process_Associator requirements  6.2 already prohibits using Process_Associators, so section 6.3.2 should not exist.				
HPQ	245	42		At 4.25 in down and 6.82 in over , s/b , then				
HPQ	246	42		At 4.70 in down and 6.51 in over , s/b , then				
HPQ	247	42		At 5.27 in down and 6.48 in over , s/b , then				
HPQ	248	43		At 9.91 in down and 3.82 in over (See FC-FS-3.) s/b See FC-LS.				
HPQ	249	43		At 3.73 in down and 2.33 in over SCSI FCP (08h) s/b TYPE CODE (08h for this standard)				
HPQ	250	43		At 4.27 in down and 4.52 in over VALID s/b VALIDITY  to match FC-LS. Also change below the table.				
HPQ	251	43		At 4.55 in down and 4.52 in over VALID s/b VALIDITY  to match FC-LS. Also change below the table.				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	252	43		At 5.95 in down and 1.91 in over Add a row after word 2 with double lines:  Service Parameters  highlighting that all the fields that follow are part of that section.				
HPQ	253	43		At 9.00 in down and 2.67 in over FCP_XFER_RDY  make this smallcaps. Below the table too.				
HPQ	254	43		At 9.28 in down and 2.72 in over FCP_XFER_RDY  make this smallcaps. Below the table too.				
HPQ	255	43		At 9.73 in down and 2.27 in over FCP specific code s/b TYPE CODE				
HPQ	256	43		At 8.44 in down and 2.34 in over OBSOLETE s/b Obsolete				
HPQ	257	43		At 8.72 in down and 2.34 in over OBSOLETE s/b Obsolete				
HPQ	258	43		At 4.28 in down and 2.33 in over ORIGINATOR PROCESS_ASSOCIATOR s/b all small caps				
HPQ	259	43		At 4.56 in down and 2.33 in over RESPONDER PROCESS_ASSOCIATOR s/b all small caps				
HPQ	260	43		At 4.84 in down and 2.33 in over ESTABLISH IMAGE PAIR s/b all small caps				
HPQ	261	43		At 5.39 in down and 2.33 in over ORIGINATOR PROCESS_ASSOCIATOR s/b all small caps				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	262	43		At 5.67 in down and 2.33 in over RESPONDER PROCESS_ASSOCIATOR s/b all small caps				
HPQ	263	43		At 3.43 in down and 6.04 in over Bit s/b Bit(s)				
HPQ	264	44		At 5.31 in down and 2.85 in over default logical units  This term needs to be defined. □I understand the intent is to ignore RAID control logical units, but report RAID volumes.				
HPQ	265	44		At 4.74 in down and 1.72 in over ENHANCED DISCOVERY  This bit name is rather vague. □A name that better represents the functionality would be better.				
HPQ	266	44		At 6.72 in down and 1.71 in over REC_SUPPORT  Get rid of the _ since other bits do not use it				
HPQ	267	44		At 1.65 in down and 3.92 in over VALID s/b VALIDITY				
HPQ	268	44		At 2.29 in down and 3.91 in over VALID s/b VALIDITY				
HPQ	269	44		At 1.63 in down and 6.83 in over VALID s/b VALIDITY				
HPQ	270	44		At 2.28 in down and 6.83 in over VALID s/b VALIDITY				
HPQ	271	44		At 2.47 in down and 6.42 in over VALID s/b VALIDITY				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	272	44		At 1.82 in down and 6.42 in over VALID s/b VALIDITY				
HPQ	273	44		At 2.93 in down and 6.14 in over , s/b , then				
HPQ	274	44		At 3.38 in down and 3.49 in over , s/b , then				
HPQ	275	44		At 4.74 in down and 5.84 in over , s/b , then				
HPQ	276	44		At 5.50 in down and 7.18 in over , s/b , then				
HPQ	277	44		At 4.93 in down and 4.72 in over , s/b , then				
HPQ	278	44		At 6.91 in down and 0.70 in over When the REC ELS supported (REC_SUPPORT) bit is set to one, the Originator is indicating that it supports, as an initiator FCP_Port, the transmission of the REC ELS. s/b a REC ELS Supported (REC_SUPPORT) bit set to one specifies that the Originator, as an initiator FCP_Port, supports the transmission of the REC ELS.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	279	44		At 7.67 in down and 0.70 in over When the REC_SUPPORT bit is set to zero, the Originator is providing no information about whether it supports transmission of the REC ELS. s/b A REC_SUPPORT bit set to zero provides no information about whether or not the Originator supports transmission of the REC ELS.				
HPQ	280	44		At 8.12 in down and 0.70 in over When the TASK RETRY IDENTIFICATION REQUESTED bit is set to one, the Originator of the PRLI ELS requests that task retry identification (see 4.7) be used. s/b A TASK RETRY IDENTIFICATION REQUESTED bit set to one requests that task retry identification (see 4.7) be used				
HPQ	281	44		At 9.34 in down and 0.70 in over When the TASK RETRY IDENTIFICATION REQUESTED bit is set to zero by either the Originator of or the Responder to the PRLI ELS, task retry identification shall not be used. s/b A TASK RETRY IDENTIFICATION REQUESTED bit set to zero specifies that task retry identification shall not be used.				
HPQ	282	44		At 9.73 in down and 0.29 in over Reword the "When" sentences in the other field descriptions, as suggested for bit 10 and bit 9.				
HPQ	283	45		At 2.09 in down and 5.59 in over , s/b , then				
HPQ	284	45		At 2.93 in down and 2.29 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	285	45		At 3.12 in down and 6.04 in over , s/b , then				
HPQ	286	45		At 3.57 in down and 4.85 in over , s/b , then				
HPQ	287	45		At 4.98 in down and 2.01 in over a target s/b the target				
HPQ	288	45		At 5.36 in down and 1.62 in over , s/b , then				
HPQ	289	45		At 6.38 in down and 5.80 in over a target s/b the target				
HPQ	290	45		At 8.05 in down and 1.53 in over process s/b Originator or Responder				
HPQ	291	45		At 8.69 in down and 1.53 in over process s/b Originator or Responder				
HPQ	292	45		At 9.08 in down and 1.77 in over , s/b , then				
HPQ	293	45		Comment=				
HPQ	294	45		At 2.56 in down and 7.51 in over only if the RETRY bit is set to one				
HPQ	295	45		At 6.77 in down and 3.00 in over command s/b SCSI command				
HPQ	296	46		At 2.41 in down and 0.70 in over SCSI write operation s/b write operation				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	297	46		At 2.60 in down and 0.70 in over all FCP I/O operations performing SCSI writes s/b write operations				
HPQ	298	47		At 3.04 in down and 2.33 in over SCSI FCP (08h) s/b TYPE CODE (08h for this standard)				
HPQ	299	47		At 3.59 in down and 4.52 in over VALID s/b VALIDITY				
HPQ	300	47		At 3.87 in down and 4.52 in over VALID s/b VALIDITY				
HPQ	301	47		At 5.81 in down and 1.80 in over Add a row after word 2 with double lines:  Service Parameters  highlighting that all the fields that follow are part of that section.				
HPQ	302	47		At 10.24 in down and 3.16 in over , s/b , then				
HPQ	303	47		At 10.24 in down and 5.87 in over after: ACCEPT RESPONSE CODE add: field				
HPQ	304	47		At 8.31 in down and 2.34 in over OBSOLETE s/b Obsolete				
HPQ	305	47		At 8.59 in down and 2.34 in over OBSOLETE s/b Obsolete				
HPQ	306	47		At 6.93 in down and 2.33 in over RETRY s/b all smallcaps (no uppercase R)				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	307	47		At 4.15 in down and 2.33 in over IMAGE PAIR ESTABLISHED s/b all small caps				
HPQ	308	47		At 4.71 in down and 2.33 in over ACCEPT RESPONSE CODE s/b all small caps				
HPQ	309	47		At 3.60 in down and 2.33 in over ORIGINATOR PROCESS_ASSOCIATOR s/b all small caps				
HPQ	310	47		At 3.88 in down and 2.33 in over RESPONDER PROCESS_ASSOCIATOR s/b all small caps				
HPQ	311	47		At 8.88 in down and 2.34 in over READ FCP_XFER_RDY DISABLED s/b all small caps				
HPQ	312	47		At 9.15 in down and 2.34 in over WRITE FCP_XFER_RDY DISABLED s/b all small caps				
HPQ	313	47		At 2.74 in down and 6.04 in over Bit s/b Bit(s)				
HPQ	314	48		At 1.64 in down and 3.52 in over , s/b , then				
HPQ	315	48		At 2.29 in down and 2.68 in over , s/b , then				
HPQ	316	48		At 2.29 in down and 4.36 in over after: ACCEPT RESPONSE CODE add: field				
HPQ	317	48		At 9.45 in down and 4.78 in over task s/b command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	318	49		At 1.98 in down and 5.40 in over , s/b , then				
HPQ	319	49		At 3.48 in down and 1.86 in over bidirectional SCSI command s/b bidirectional command				
HPQ	320	50		At 6.52 in down and 2.94 in over FCP initiator function s/b initiator FCP_Port function				
HPQ	321	50		At 6.78 in down and 2.94 in over FCP target function s/b target FCP_Port function				
HPQ	322	51		At 6.92 in down and 6.09 in over reason code of s/b Reason Code set to				
HPQ	323	51		At 7.11 in down and 3.28 in over reason code explanation of s/b Reason Code Explanation set to				
HPQ	324	51		At 4.37 in down and 1.47 in over Encoded valueword 0 of payload(bits 31-24) s/b R_CTL (word 0 bits 31-24)				
HPQ	325	51		At 2.93 in down and 1.32 in over the R_CTL Information Category bits 27-24 s/b the R_CTL Information field (word 0 bits 27-24)				
HPQ	326	51		At 2.60 in down and 1.32 in over R_CTL bits 31-28 (Word 0) s/b the R_CTL Routing field (word 0 bits 31-28)				
HPQ	327	51		At 6.28 in down and 5.98 in over , s/b , then				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	328	51		At 7.38 in down and 7.04 in over , s/b , then				
HPQ	329	51		At 7.57 in down and 4.68 in over reason code of s/b Reason Code set to				
HPQ	330	51		At 7.76 in down and 1.88 in over reason code explanation of s/b Reason Code Explanation set to				
HPQ	331	51		At 8.02 in down and 4.43 in over , s/b , then				
HPQ	332	51		At 6.47 in down and 4.69 in over task s/b command				
HPQ	333	51		At 9.56 in down and 0.95 in over It should be more clear whether the preferred behavior is continuously increasing or rezero.				
HPQ	334	51		At 4.20 in down and 5.16 in over Abbr. is not a defined abbreviation in 3.2  There's no need to abbreviate here, though. Change the column header to "Name" and move this column left of the Description column.				
HPQ	335	52		At 6.42 in down and 4.64 in over This i.e. is unclear. FC-FS-3 doesn't mention FCP_XFER_RDY, FCP_RSP, or FCP_DATA.				
HPQ	336	52		At 7.07 in down and 0.70 in over 01h for Solicited Data or to 05h for Data Descriptor. s/b 01h (i.e., Device_Data/Solicited Data) or 05h (i.e., Device_Data/Data Descriptor).				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	337	52		At 3.42 in down and 3.08 in over a reason code of s/b a Reason Code set to				
HPQ	338	52		At 3.61 in down and 0.70 in over reason code explanation of s/b Reason Code Explanation set to				
HPQ	339	52		At 6.88 in down and 0.94 in over RELATIVE OFFSET parameter s/b RELATIVE OFFSET field				
HPQ	340	52		At 6.28 in down and 0.80 in over Add definitions of the OX_ID and RX_ID field.				
HPQ	341	52		At 6.80 in down and 0.59 in over Move the R_CTL FOR IU paragraph after the RELATIVE OFFSET paragraph.				
HPQ	342	52		At 2.08 in down and 4.55 in over In the event that s/b If				
HPQ	343	52		At 2.27 in down and 3.61 in over , s/b , then  (matching adding "If" to the beginning of the sentence)				
HPQ	344	53		At 5.81 in down and 4.06 in over reason code and reason code explanation s/b Reason Code and Reason Code Explanation				
HPQ	345	53		At 1.52 in down and 0.79 in over FCP_ACC should have its own 8.x section, like FCP_RJT  Add: 8.x FCP_LS Accept (FCP_ACC)  Adjust the cross reference in table 13				
HPQ	346	53		At 7.49 in down and 6.11 in over VENDOR SPECIFIC s/b Vendor specific				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	347	53		<p>At 4.07 in down and 0.95 in over Delete: A four-byte reason code shall be contained in the Data_Field (see table 16).</p> <p>The Reason Code field is 1 byte, not 4 bytes, so this is incorrect.</p>				
HPQ	348	54		<p>At 1.64 in down and 0.70 in over The reason codes for FCP_RJT are specified in table 17. s/b The REASON CODE field is defined in table 17.</p>				
HPQ	349	54		<p>At 8.18 in down and 0.70 in over Table 18 lists the reason code explanations for FCP_LS requests. s/b The REASON CODE EXPLANATION field is defined in table 18.</p>				
HPQ	350	54		<p>At 2.03 in down and 2.22 in over Make the Description column narrower and the Meaning column wider, to shorten the table.</p> <p>Delete the double vertical line left of the Meaning column.</p> <p>Merge the Reserved row's Description and Meaning cells.</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	351	55		At 5.03 in down and 1.18 in over Delete T3 and T4 and add them to the list of obsolete IUs. Linked commands are obsolete in SAM-4.  T3 Command request (Linked) 6 FCP_CMND M T O T4 Command request (Linked) 6 FCP_CMND M H O				
HPQ	352	55		At 6.36 in down and 1.51 in over Delete (Linked commands are obsolete in SAM-4):  T3 and T4 are only permitted for linked SCSI commands.				
HPQ	353	55		At 4.19 in down and 2.36 in over Task Mgmt Rqst s/b Task management request				
HPQ	354	55		At 7.51 in down and 2.02 in over CAT Information category of Device_Data frames carrying the data block  Change the column header name to INFORMATION field, which is what it is called in FC-FS-3. Change the entries to hex (e.g. 6h, 1h, 3h).  or.... Change the column header to R_CTL and include two hex values (e.g., 06h, 01h, 03h).				
HPQ	355	55		At 6.19 in down and 3.39 in over when s/b while				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	356	55		At 6.52 in down and 3.11 in over sequence s/b Sequence				
HPQ	357	55		Comment=and T4				
HPQ	358	55		Comment=and T4				
HPQ	359	55		At 5.58 in down and 4.24 in over none s/b FCP_CONF  Since section 9.6 exists, claiming to define FCP_CONF. The fact that it has no bytes is secondary.				
HPQ	360	55		At 3.81 in down and 2.31 in over SCSI primitive s/b Description  since SCSI doesn't define anything called "primitive"s				
HPQ	361	55		At 6.69 in down and 3.97 in over I5 frame requesting the confirmed completion protocol. See table 20  By definition, the I5 frame requests confirmation. Otherwise, it'd be an I4 frame. □ Change to: "I5 frame (see table 20)."				
HPQ	362	56		At 3.95 in down and 1.88 in over Delete (Linked commands are obsolete in SAM-4):  (Linked or confirm request)				
HPQ	363	56		At 4.57 in down and 2.16 in over Delete (Linked commands are obsolete in SAM-4):  for linked SCSI commands or				
HPQ	364	56		At 3.67 in down and 1.94 in over Task Mgmt response s/b Task management response				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	365	56		At 8.54 in down and 2.78 in over , s/b , then				
HPQ	366	56		At 4.73 in down and 2.32 in over sequence s/b Sequence				
HPQ	367	56		At 2.73 in down and 2.15 in over SCSI primitive s/b Description  since SCSI doesn't define anything called "primitive"s				
HPQ	368	56		At 3.12 in down and 1.26 in over Data delivery request s/b Data-Out delivery request  to better match the wording in these two tables.				
HPQ	369	56		At 8.35 in down and 2.94 in over SCSI Command s/b command				
HPQ	370	57		At 9.47 in down and 5.76 in over managment s/b management				
HPQ	371	57		At 4.32 in down and 4.70 in over N s/b n  in lowercase				
HPQ	372	57		At 1.83 in down and 0.95 in over The FCP_CMND IU shall contain the values and control fields defined in table 21 in its payload. s/b The format of the FCP_CMND IU payload is shown in table 21.  to match other IU introductions				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	373	57		At 9.21 in down and 3.18 in over , s/b , then				
HPQ	374	57		At 9.21 in down and 0.95 in over Delete:  Each target FCP_Port shall accept an INQUIRY command addressed to LUN 0. If LUNs other than zero are supported by the SCSI target device, LUN 0 shall implement the REPORT LUNS command. See SPC-4.  SPC-4 defines that all logical units must support REPORT LUNS; there is no special rule for LUN 0 any more.				
HPQ	375	57		At 9.47 in down and 4.37 in over the s/b , then the				
HPQ	376	57		At 9.66 in down and 5.87 in over , s/b , then				
HPQ	377	57		At 3.76 in down and 3.69 in over PRIORITY s/b COMMAND PRIORITY  to match SAM-4				
HPQ	378	58		At 3.71 in down and 4.23 in over task s/b command				
HPQ	379	58		At 3.71 in down and 5.72 in over tasks s/b commands				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	380	58		At 1.89 in down and 2.86 in over Delete: (CRN)  The field name does not use an acronym. The acronym is the functionally defined value.				
HPQ	381	58		At 3.02 in down and 5.12 in over CRN s/b COMMAND REFERENCE NUMBER (smallcaps)				
HPQ	382	58		At 2.07 in down and 6.01 in over , s/b , then				
HPQ	383	58		At 2.64 in down and 1.34 in over , s/b , then				
HPQ	384	58		At 2.64 in down and 1.55 in over zero value in the CRN field indicates s/b a COMMAND REFERENCE NUMBER field set to zero specifies				
HPQ	385	58		At 2.83 in down and 3.15 in over , s/b , then				
HPQ	386	58		At 3.02 in down and 4.81 in over , s/b , then				
HPQ	387	58		At 3.48 in down and 1.30 in over PRIORITY s/b COMMAND PRIORITY  to match SAM-4				
HPQ	388	58		At 3.70 in down and 0.99 in over PRIORITY s/b COMMAND PRIORITY  to match SAM-4				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	389	58		At 4.10 in down and 0.70 in over specifies the relative scheduling of this task in relation to other tasks already in the task set for processing by the device server (see SAM-4). If the TASK ATTRIBUTE field contains a value other than SIMPLE, then this field is reserved. s/b specifies the relative scheduling importance of a command with the TASK ATTRIBUTE field set to 000b (i.e., SIMPLE) in relation to other commands already in the task set with SIMPLE task attributes (see SAM-4).  Don't say it is Reserved; that's for SAM-4 to decide.				
HPQ	390	58		At 6.87 in down and 3.45 in over This is confusing - two descriptions with no explanation for why. Need to reference the PRIORITY field somehow to explain the reason for two or just collapse it into one.				
HPQ	391	59		At 5.34 in down and 4.40 in over QUERY UNIT ATTENTION s/b QUERY ASYNCHONOUS EVENT  to match final SAM-4				
HPQ	392	59		At 5.34 in down and 2.07 in over FCP_QUERY_UNIT_ATTENTION s/b FCP_QUERY_ASYNCHRONOUS_EVENT  to match final SAM-4				
HPQ	393	59		At 1.83 in down and 5.29 in over , s/b , then				
HPQ	394	59		At 2.41 in down and 1.28 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	395	59		At 9.12 in down and 3.12 in over task s/b command				
HPQ	396	59		At 10.19 in down and 1.66 in over task s/b command				
HPQ	397	59		At 7.68 in down and 1.63 in over CLEAR ACA "shall not be sent" to a logical unit with a NORMACA bit equal to zero -- why not state this in terms of what the target supports instead of trying to place a requirement on the initiator?				
HPQ	398	60		At 3.37 in down and 0.98 in over QUERY UNIT ATTENTION s/b QUERY ASYNCHONOUS EVENT to match final SAM-4				
HPQ	399	60		At 7.60 in down and 2.81 in over control field control s/b smallcaps				
HPQ	400	60		At 2.96 in down and 0.83 in over NOTE 3  There does not appear to be a NOTE 2 after NOTE 1 and before NOTE 3.				
HPQ	401	60		At 6.96 in down and 6.01 in over , s/b , then				
HPQ	402	60		At 9.43 in down and 2.65 in over , s/b , then				
HPQ	403	60		At 9.88 in down and 2.45 in over , s/b , then				
HPQ	404	60		At 1.64 in down and 1.14 in over task s/b command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	405	60		At 2.31 in down and 1.18 in over task s/b command				
HPQ	406	60		At 5.44 in down and 1.19 in over task s/b command				
HPQ	407	60		At 4.78 in down and 6.87 in over task s/b command				
HPQ	408	60		At 4.94 in down and 3.07 in over task s/b command				
HPQ	409	60		At 1.81 in down and 7.20 in over task s/b command				
HPQ	410	60		At 1.81 in down and 4.63 in over task s/b command				
HPQ	411	60		At 2.96 in down and 4.26 in over tasks s/b commands				
HPQ	412	60		At 4.44 in down and 3.58 in over task s/b command				
HPQ	413	60		At 6.09 in down and 4.29 in over tasks s/b commands				
HPQ	414	60		At 6.77 in down and 4.03 in over task s/b command				
HPQ	415	60		At 4.61 in down and 1.19 in over task s/b command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	416	60		At 1.98 in down and 4.15 in over task resources s/b resources				
HPQ	417	60		At 8.05 in down and 3.80 in over ab s/b an				
HPQ	418	60		At 8.24 in down and 0.70 in over automatic contingent allegiance s/b ACA condition				
HPQ	419	60		Comment=value of the				
HPQ	420	60		At 9.62 in down and 1.94 in over SCSI read operation s/b read operation				
HPQ	421	60		At 10.07 in down and 1.26 in over SCSI write operation s/b write operation				
HPQ	422	61		At 1.64 in down and 4.08 in over , s/b , then				
HPQ	423	61		At 2.48 in down and 4.07 in over , s/b , then				
HPQ	424	61		At 3.57 in down and 1.32 in over a read operation has the RDDATA bit set to zero or the WRDATA bit set to one s/b the command is defined as performing a read operation and the RDDATA bit is set to to zero				
HPQ	425	61		At 3.74 in down and 1.32 in over a write operation has the WRDATA bit set to zero or the RDDATA bit set to one s/b the command is defined as performing a write operation and the WRDATA bit is set to to zero				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	426	61		At 3.91 in down and 1.31 in over Delete:  a bidirectional SCSI command has either the RDDATA bit set to zero or the WRDATA bit set to zero  along with changing a) and b) as suggested. Those changes cover bidirectional commands.				
HPQ	427	61		At 9.59 in down and 1.65 in over value of zero indicates s/b field set to zero specifies				
HPQ	428	61		At 7.86 in down and 5.63 in over SCSI command s/b command				
HPQ	429	61		At 8.50 in down and 5.67 in over SCSI command s/b command				
HPQ	430	61		At 9.14 in down and 5.64 in over SCSI command s/b command				
HPQ	431	61		At 1.83 in down and 3.19 in over bidirectional SCSI command s/b bidirectional command				
HPQ	432	61		At 2.22 in down and 2.84 in over bidirectional SCSI command s/b bidirectional command				
HPQ	433	61		At 8.95 in down and 1.31 in over bidirectional SCSI command s/b bidirectional command				
HPQ	434	61		At 1.83 in down and 0.95 in over SCSI read operation and a SCSI write operation s/b read operation and a write operation				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status															
HPQ	435	61		At 7.66 in down and 1.36 in over SCSI read operation s/b read command  (since a bidirectional command also performs a read operation, but this sentence is not true)																			
HPQ	436	61		At 8.31 in down and 1.36 in over SCSI write operation s/b write command  (although a bidirectional command also performs a write operation and does use this definition of FCP_DL, there is a separate paragraph for bidirectional commands)																			
HPQ	437	61		At 2.02 in down and 0.47 in over Delete "This is a bidirectional SCSI command." and add a table: <table border="0"> <tr> <td>rddata</td> <td>wrdata</td> <td>Description</td> </tr> <tr> <td>0 0</td> <td><input type="checkbox"/></td> <td>Non-data command</td> </tr> <tr> <td>0 1</td> <td><input type="checkbox"/></td> <td>Write command</td> </tr> <tr> <td>1 0</td> <td><input type="checkbox"/></td> <td>Read command</td> </tr> <tr> <td>1 1</td> <td><input type="checkbox"/></td> <td>Bidirectional command</td> </tr> </table>	rddata	wrdata	Description	0 0	<input type="checkbox"/>	Non-data command	0 1	<input type="checkbox"/>	Write command	1 0	<input type="checkbox"/>	Read command	1 1	<input type="checkbox"/>	Bidirectional command				
rddata	wrdata	Description																					
0 0	<input type="checkbox"/>	Non-data command																					
0 1	<input type="checkbox"/>	Write command																					
1 0	<input type="checkbox"/>	Read command																					
1 1	<input type="checkbox"/>	Bidirectional command																					
HPQ	438	62		At 2.97 in down and 3.48 in over , s/b , then																			
HPQ	439	62		At 5.77 in down and 3.74 in over , s/b , then																			
HPQ	440	62		At 5.38 in down and 6.37 in over when s/b if																			
HPQ	441	62		At 2.97 in down and 1.20 in over RDDDATA or WRDATA s/b the RDDDATA bit or the WRDATA bit																			
HPQ	442	62		Comment=the																			

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	443	62		At 2.52 in down and 2.73 in over value of zero indicates s/b field set to zero specifies				
HPQ	444	62		At 5.57 in down and 3.68 in over Process Login s/b Process Login (see 4.14 and 6.3)				
HPQ	445	62		At 6.60 in down and 0.70 in over category 5, the data descriptor category s/b category 5 (i.e., data descriptor)				
HPQ	446	62		At 2.26 in down and 0.70 in over SCSI command s/b command				
HPQ	447	62		At 1.88 in down and 1.09 in over bidirectional SCSI command s/b bidirectional command				
HPQ	448	63		At 5.57 in down and 0.50 in over Add a simple table showing the format of the FCP_DATA IU.  s/b The format of the FCP_DATA IU payload is shown in table xx.  Table xx - FCP_DATA IU payload 7 6 5 4 3 2 1 0 0□ data n  Also mention that: NOTE n - The FCP_DATA IU is spread across multiple Fibre Channel frames if the data is longer than the Fibre Channel frame size.				
HPQ	449	63		At 6.56 in down and 4.62 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	450	63		At 7.14 in down and 5.48 in over , s/b , then				
HPQ	451	63		At 7.59 in down and 3.89 in over , s/b , then				
HPQ	452	63		At 8.16 in down and 1.50 in over , s/b , then				
HPQ	453	63		At 8.61 in down and 1.56 in over , s/b , then				
HPQ	454	63		At 8.99 in down and 7.66 in over , s/b , then				
HPQ	455	63		Comment=the				
HPQ	456	63		At 4.25 in down and 4.89 in over value of s/b value of the				
HPQ	457	63		At 4.25 in down and 7.22 in over value of s/b value of the ... field				
HPQ	458	63		At 4.44 in down and 3.10 in over value of s/b value of the ... field				
HPQ	459	63		At 7.97 in down and 4.25 in over bit is set to one in the PLRI FCP Service Parameter page s/b bit is set to one in Process Login				
HPQ	460	63		At 6.16 in down and 6.37 in over bit is set to one s/b bit is set to one in Process Login (see 4.14 and 6.3)				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	461	63		At 8.42 in down and 2.73 in over bit is set to one in the PLRI FCP Service Parameter page (see 6.3) s/b bit is set to one in Process Login				
HPQ	462	63		At 8.80 in down and 0.95 in over bit is set to zero in the PLRI FCP Service Parameter page (see 6.3) s/b bit is set to zero in Process Login				
HPQ	463	64		At 3.87 in down and 5.23 in over , s/b , then				
HPQ	464	64		At 6.04 in down and 6.75 in over , s/b , then				
HPQ	465	64		At 7.06 in down and 5.35 in over , s/b , then				
HPQ	466	64		At 9.67 in down and 5.50 in over , s/b , then				
HPQ	467	64		At 2.85 in down and 5.82 in over length FCP_DL s/b the length specified by the FCP_DL field in the FCP_CMND IU				
HPQ	468	64		At 8.58 in down and 2.14 in over after: field add: in the FCP_CMND IU				
HPQ	469	64		At 9.22 in down and 3.06 in over after: field add: in the FCP_CMND IU				
HPQ	470	64		At 3.61 in down and 2.19 in over FCP_DL s/b the FCP_DL field				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	471	64		At 3.87 in down and 3.78 in over FCP_DL s/b the length specified by the FCP_DL field				
HPQ	472	64		At 9.67 in down and 4.14 in over the length specified by the FCP_DL field				
HPQ	473	64		At 6.61 in down and 3.03 in over SCSI command set for that command s/b SCSI command standard defining that command				
HPQ	474	65		At 8.66 in down and 4.09 in over autosense data s/b sense data				
HPQ	475	65		At 2.90 in down and 2.14 in over , s/b , then				
HPQ	476	65		At 4.86 in down and 3.94 in over , s/b , then				
HPQ	477	65		At 2.71 in down and 4.57 in over value s/b length				
HPQ	478	65		Comment=bidirectional SCSI command				
HPQ	479	65		At 4.86 in down and 2.13 in over bidirectional SCSI command s/b bidirectional command				
HPQ	480	65		At 4.28 in down and 6.15 in over write data operation s/b write operation				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	481	66		<p>At 2.79 in down and 0.70 in over Delete (Linked commands are obsolete in SAM-4):</p> <p>If command linking is being performed, an FCP_RSP IU is provided for each command. For linked commands, INTERMEDIATE status or INTERMEDIATE-CONDITION MET status indicates successful completion of a command with no other information valid if all other fields are zero. If command linking is requested, the use of the INTERMEDIATE or INTERMEDIATE-CONDITION MET status indicates that linking shall be performed. The LINKED COMMAND COMPLETE or LINKED COMMANDCOMPLETE (WITH FLAG) Service Response defined by SAM-4 is implicit in the presentation of INTERMEDIATE or INTERMEDIATE-CONDITION MET status in the FCP_RSP IU.</p>				
HPQ	482	66		<p>At 3.05 in down and 4.93 in over a target s/b the target FCP_Port</p>				
HPQ	483	66		<p>At 3.24 in down and 4.32 in over target s/b target FCP_Port</p>				
HPQ	484	66		<p>At 3.05 in down and 4.77 in over , s/b , then</p>				
HPQ	485	66		<p>At 3.69 in down and 3.11 in over , s/b , then</p>				
HPQ	486	66		<p>At 4.26 in down and 6.13 in over , s/b , then</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	487	66		At 4.91 in down and 0.70 in over In the event that s/b If				
HPQ	488	66		At 4.91 in down and 5.86 in over , s/b , then  (paired with changing the beginning of the sentence to "If")				
HPQ	489	66		Comment=What is a "SCSI device error"?				
HPQ	490	66		Comment=What is a "SCSI device error"?				
HPQ	491	67		At 1.64 in down and 0.95 in over The content of the FCP_RSP IU is indicated in table 25. s/b The format of the FCP_RSP IU payload is shown in table 25.  to match other IU introductions				
HPQ	492	67		At 3.47 in down and 4.07 in over RETRY DELAY TIMER s/b STATUS QUALIFIER  to match SAM-4. Also, remove (MSB) and (LSB) since it now has substructure.				
HPQ	493	67		At 8.68 in down and 1.24 in over RETRY DELAY TIMER field contains the retry delay timer code s/b STATUS QUALIFIER field contains the status qualifier				
HPQ	494	67		At 9.24 in down and 3.53 in over , s/b , then				
HPQ	495	67		At 9.62 in down and 1.22 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	496	68		At 8.97 in down and 4.22 in over SCSI STATUS CODE field  make SCSI smallcaps				
HPQ	497	68		At 1.90 in down and 4.00 in over , s/b , then				
HPQ	498	68		At 3.04 in down and 3.67 in over , s/b , then				
HPQ	499	68		At 4.17 in down and 2.94 in over , s/b , then				
HPQ	500	68		At 5.12 in down and 3.15 in over , s/b , then				
HPQ	501	68		At 6.06 in down and 3.08 in over , s/b , then				
HPQ	502	68		At 7.00 in down and 3.24 in over , s/b , then				
HPQ	503	68		At 7.65 in down and 3.26 in over , s/b , then				
HPQ	504	68		At 10.07 in down and 3.26 in over , s/b , then				
HPQ	505	68		At 8.40 in down and 3.24 in over , s/b , then				
HPQ	506	69		At 6.13 in down and 3.32 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	507	69		At 7.10 in down and 3.30 in over , s/b , then				
HPQ	508	69		At 7.62 in down and 5.12 in over , s/b , then				
HPQ	509	69		At 7.81 in down and 1.25 in over have s/b be set to				
HPQ	510	69		At 9.12 in down and 7.29 in over , s/b , then				
HPQ	511	69		At 9.77 in down and 7.28 in over , s/b , then				
HPQ	512	69		At 1.90 in down and 4.72 in over SCSI command s/b command				
HPQ	513	69		At 3.30 in down and 4.07 in over SCSI command s/b command				
HPQ	514	69		At 5.87 in down and 6.00 in over SCSI command s/b command				
HPQ	515	69		At 3.75 in down and 1.19 in over bidirectional SCSI commands s/b bidirectional commands				
HPQ	516	69		At 4.20 in down and 1.21 in over bidirectional SCSI commands s/b bidirectional commands				
HPQ	517	69		At 4.84 in down and 1.25 in over bidirectional SCSI commands s/b bidirectional commands				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	518	69		At 8.86 in down and 5.82 in over bidirectional SCSI commands s/b bidirectional commands				
HPQ	519	69		At 2.66 in down and 1.19 in over read operations and write operations s/b read commands and write commands				
HPQ	520	69		At 3.11 in down and 1.20 in over read operations and write operations s/b read commands and write commands				
HPQ	521	69		At 2.66 in down and 5.92 in over , s/b , then				
HPQ	522	69		At 3.11 in down and 5.90 in over , s/b , then				
HPQ	523	69		At 3.75 in down and 5.45 in over , s/b , then				
HPQ	524	69		At 4.20 in down and 5.60 in over , s/b , then				
HPQ	525	70		At 6.95 in down and 0.70 in over The number shall be 00000004h, or 00000008h. s/b This field shall be set to 00000004h or 00000008h.				
HPQ	526	70		At 2.67 in down and 3.99 in over , s/b , then				
HPQ	527	70		At 3.83 in down and 3.75 in over , s/b , then				
HPQ	528	70		At 4.73 in down and 7.07 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	529	70		At 5.49 in down and 2.83 in over , s/b , then				
HPQ	530	70		At 5.75 in down and 2.90 in over , s/b , then				
HPQ	531	70		At 5.94 in down and 1.05 in over No FCP_SNS_INFO is provided. s/b The FCP_SNS_INFO field is not present.				
HPQ	532	70		At 7.21 in down and 2.90 in over , s/b , then				
HPQ	533	70		At 6.76 in down and 2.83 in over , s/b , then				
HPQ	534	70		At 8.42 in down and 5.64 in over , s/b , then				
HPQ	535	70		At 2.41 in down and 1.68 in over SCSI command s/b command				
HPQ	536	71		At 4.66 in down and 1.33 in over QUERY UNIT ATTENTION s/b QUERY ASYNCHONOUS EVENT  to match final SAM-4				
HPQ	537	71		At 4.85 in down and 7.03 in over , s/b , then				
HPQ	538	71		At 9.74 in down and 3.66 in over , s/b , then				
HPQ	539	72		At 1.90 in down and 3.02 in over autosense data s/b sense data				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	540	72		At 2.67 in down and 0.70 in over FCP devices shall perform autosense.				
HPQ	541	72		At 2.09 in down and 2.03 in over SCSI status byte of CHECK CONDITION is presented as specified by SAM-4. s/b SCSI STATUS FIELD is set to CHECK CONDITION (see SAM-4).				
HPQ	542	72		At 2.28 in down and 5.18 in over , s/b , then				
HPQ	543	72		At 2.48 in down and 4.75 in over shall be zero s/b shall be set to zero				
HPQ	544	72		At 3.37 in down and 6.85 in over when s/b if				
HPQ	545	73		At 6.44 in down and 0.95 in over service delivery subsystem s/b target FCP_Port.  It doesn't directly modify the service delivery subsystem itself (that would mean modifying switch settings); by adjusting the target port behavior, though, it affects the overall behavior of the service delivery subsystem.				
HPQ	546	73		At 7.78 in down and 0.95 in over shall return CHECK CONDITION status. The sense key shall be set to ILLEGAL REQUEST and the additional sense code set to ILLEGAL FIELD IN PARAMETER LIST s/b terminate the command with CHECK CONDITION status with the sense key set to ILLEGAL REQUEST and the additional sense code set to ILLEGAL FIELD IN PARAMETER LIST				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
				At 3.99 in down and 0.67 in over Include the Subpage code in table 28h.  02h 00h Disconnect-Reconnect mode page 18h 00h Protocol-Specific Logical Unit mode page 01h to DFh Reserved E0h to FEh Vendor specific FFh Return all subpages for this mode page code <input type="checkbox"/> SPC-4 19h 00h Protocol-Specific Port mode page 01h to DFh Reserved E0h to FEh Vendor specific FFh Return all subpages for this mode page code <input type="checkbox"/> SPC-4				
HPQ	547	73						
HPQ	548	73		Comment=Control				
HPQ	549	73		Comment=Control				
				At 5.27 in down and 1.62 in over Delete:  3Fh Return all mode pages (valid only for the MODE SENSE command) SPC-4				
HPQ	550	73		That is covered by SPC-4				
				At 7.40 in down and 6.59 in over , s/b , then				
HPQ	551	73						
				At 7.33 in down and 0.70 in over interconnect tenancy - why no section heading to allow easy browsing to this and provide an introduction to a new concept?				
HPQ	552	74						
				At 3.87 in down and 2.43 in over , s/b , then				
HPQ	553	75						
				At 7.44 in down and 5.49 in over the s/b , then the				
HPQ	554	75						

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	555	76		At 2.09 in down and 7.19 in over , s/b , then				
HPQ	556	76		At 2.48 in down and 3.78 in over , s/b , then				
HPQ	557	76		At 2.67 in down and 4.62 in over , s/b , then				
HPQ	558	76		At 3.69 in down and 2.03 in over , s/b , then				
HPQ	559	76		At 6.56 in down and 5.18 in over , s/b , then				
HPQ	560	76		At 8.08 in down and 2.21 in over , s/b , then				
HPQ	561	76		At 8.27 in down and 6.73 in over , s/b , then				
HPQ	562	76		At 2.86 in down and 0.70 in over by the state of the PRLI ELS FCP Service Parameter page DATA OVERLAY ALLOWED bit. s/b by the DATA OVERLAY ALLOWED bit in Process Login (see 4.14 and 6.3)				
HPQ	563	77		At 7.15 in down and 6.38 in over initiator s/b application client				
HPQ	564	77		At 6.51 in down and 6.34 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	565	77		At 7.15 in down and 6.11 in over , s/b , then				
HPQ	566	77		At 5.73 in down and 1.18 in over ENABLE PRECISE DELIVERY CHECKING s/b lowercase  to match the convention used elsewhere (e.g. in 10.2.8)				
HPQ	567	78		Comment=shown in				
HPQ	568	78		At 5.56 in down and 0.70 in over , a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall not generate a LIP following insertion into the loop. s/b , then the target FCP_Port shall not generate a LIP following insertion into an arbitrated loop (see FC-AL-2).				
HPQ	569	78		At 5.94 in down and 0.70 in over , the target FCP_Port attached to an arbitrated loop shall generate LIP(F7,xx) after it enables a port into a loop. s/b , then the target FCP_Port shall generate LIP(F7, xx) after it enables a port into an arbitrated loop.				
HPQ	570	78		At 6.14 in down and 4.00 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	571	78		At 7.46 in down and 0.70 in over one, a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall wait for an initiator FCP_Port to transmit the Loop Port Enable (LPE) primitive sequence before inserting itself into an arbitrated loop (see FC-AL-2). s/b one, then the target FCP_Port shall wait for an initiator FCP_Port to transmit the Loop Port Enable (LPE) primitive sequence before inserting itself into an arbitrated loop (see FC-AL-2).				
HPQ	572	78		At 8.22 in down and 7.41 in over , s/b , then				
HPQ	573	78		At 9.74 in down and 5.10 in over , s/b , then				
HPQ	574	78		At 9.36 in down and 0.70 in over one, a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall s/b one, then the target FCP_Port shall				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	575	78		<p>At 5.33 in down and 0.31 in over Global: Each spelled out bit name in 10.4.x should be lowercase to match the convention used elsewhere (like 10.2.8)</p> <p>Example: 10.4.2 The disable target originated loop initialization (DTOLI) bit (with DTOLI in smallcaps)</p> <p>Suggestion: This would be more readable with the long phrase separated by parenthesis, rather than the short bit/field name. Change all the field definitions to:</p> <p>The DTOLI (disable target originated loop initialization) bit (with DTOLI in smallcaps)</p>				
HPQ	576	79		<p>At 6.98 in down and 4.82 in over tasks s/b commands</p>				
HPQ	577	79		<p>At 9.60 in down and 0.95 in over return CHECK CONDITION status and the sense key shall be set to ILLEGAL REQUEST and the additional sense code shall be set to INVALID FIELD IN THE PARAMETER LIST. s/b s/b terminate the command with CHECK CONDITION status with the sense key set to ILLEGAL REQUEST and the additional sense code set to ILLEGAL FIELD IN PARAMETER LIST</p>				
HPQ	578	79		<p>At 2.09 in down and 0.95 in over one, a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall s/b one, then the target FCP_Port shall</p>				
HPQ	579	79		<p>At 3.05 in down and 1.25 in over , the target FCP_Port s/b , then it</p>				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	580	79		At 3.24 in down and 4.79 in over , s/b , then				
HPQ	581	79		At 3.62 in down and 1.75 in over , s/b , then				
HPQ	582	79		At 3.88 in down and 2.71 in over , s/b , then				
HPQ	583	79		At 3.88 in down and 4.16 in over follows s/b shall follow				
HPQ	584	79		At 2.67 in down and 6.02 in over , s/b , then				
HPQ	585	79		At 5.09 in down and 0.95 in over , a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall s/b , then the target FCP_Port shall				
HPQ	586	79		At 6.41 in down and 0.95 in over one, a target FCP_Port without a valid fabric login attached to an arbitrated loop (see FC-AL-2) shall s/b one, then the target FCP_Port shall				
HPQ	587	79		At 6.79 in down and 4.59 in over , s/b , then				
HPQ	588	79		At 5.28 in down and 4.90 in over , s/b , then				
HPQ	589	79		At 8.19 in down and 0.95 in over one, a target FCP_Port attached to an arbitrated loop (see FC-AL-2) shall s/b one, then the target FCP_Port shall				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	590	79		At 8.38 in down and 5.04 in over , s/b , then				
HPQ	591	79		At 10.35 in down and 0.95 in over one, a target FCP_Port attached by an arbitrated loop (see FC-AL-2) shall s/b one, then the target FCP_Port shall				
HPQ	592	79		At 6.60 in down and 7.17 in over tasks s/b commands				
HPQ	593	80		At 2.78 in down and 0.98 in over RR_TOVSEQ_INIT  SEQ_INIT should be subscript				
HPQ	594	80		At 1.83 in down and 1.05 in over the target FCP_Port attached by an arbitrated loop s/b then the target FCP_Port				
HPQ	595	80		At 6.03 in down and 5.91 in over , s/b , then				
HPQ	596	80		At 3.04 in down and 0.49 in over There should be a separate section for RR_TOV UNITS, or 10.4.10 should mention both in the header				
HPQ	597	80		At 3.97 in down and 1.39 in over Change the left columns of table 32 to a single column RR_TOV UNITS since it is a named field: 000b 001b 011b 101b				
HPQ	598	81		At 3.70 in down and 2.37 in over Initiator   Target s/b Initiator FCP_Port   Target FCP_Port				
HPQ	599	81		At 8.17 in down and 0.71 in over Change to lettered table footnotes, delete "NOTES:"				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	600	81		At 9.63 in down and 1.36 in over a b c s/b a) b) c)				
HPQ	601	81		At 5.61 in down and 6.48 in over 0 s/b zero				
HPQ	602	81		At 5.95 in down and 6.48 in over 1 s/b one				
HPQ	603	81		At 7.00 in down and 6.48 in over 0 s/b zero				
HPQ	604	81		At 7.50 in down and 6.48 in over 1 s/b one				
HPQ	605	81		At 6.28 in down and 5.36 in over Add space around x and ensure that the Symbol font multiply character is used, not the letter x				
HPQ	606	81		At 7.83 in down and 5.44 in over Add space around x and ensure that the Symbol font multiply character is used, not the letter x				
HPQ	607	81		Comment=				
HPQ	608	81		At 8.71 in down and 3.61 in over , s/b , then				
HPQ	609	82		At 7.97 in down and 5.11 in over specific initiator s/b initiator FCP_Port				
HPQ	610	82		At 6.05 in down and 1.54 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	611	82		At 8.93 in down and 5.12 in over , s/b , then				
HPQ	612	82		At 7.53 in down and 0.52 in over Split 11.4 into two sections, one for each timer. The sentence "If either of these two...before expiration of RR_TOV" is not worded well, and is not the same as the intended rules:  If Exchange Authentication is not performed within RR_TOVauth of completion of the Loop Initialization protocol, then... If the initiator FCP_Port does not send a response within RR_TOVseq_init of the transfer of Sequence Initiative, then...				
HPQ	613	83		At 2.26 in down and 5.41 in over Usage s/b lowercase				
HPQ	614	84		At 4.86 in down and 5.12 in over bidirectional SCSI commands s/b bidirectional commands				
HPQ	615	85		At 9.88 in down and 7.11 in over , s/b , then				
HPQ	616	85		At 5.66 in down and 5.87 in over sequence s/b Sequence				
HPQ	617	85		At 2.74 in down and 0.95 in over bidirectional SCSI commands s/b bidirectional commands				
HPQ	618	85		At 3.00 in down and 1.47 in over bidirectional SCSI command s/b bidirectional command				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	619	85		At 3.33 in down and 1.57 in over bidirectional SCSI command s/b bidirectional command				
HPQ	620	85		At 3.66 in down and 1.49 in over bidirectional SCSI command s/b bidirectional command				
HPQ	621	85		At 4.00 in down and 1.57 in over bidirectional SCSI command s/b bidirectional command				
HPQ	622	86		At 7.02 in down and 1.54 in over , s/b , then				
HPQ	623	86		At 9.89 in down and 2.35 in over , s/b , then				
HPQ	624	86		At 4.61 in down and 0.70 in over sequence s/b Sequence				
HPQ	625	86		At 5.71 in down and 4.65 in over tasks s/b commands				
HPQ	626	87		At 2.69 in down and 3.63 in over RX_ID field				
HPQ	627	87		RX_ID s/b smallcaps Comment="				
HPQ	628	87		At 2.09 in down and 4.50 in over , s/b , then				
HPQ	629	87		At 4.32 in down and 4.65 in over , s/b , then				
HPQ	630	87		At 5.53 in down and 3.81 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	631	87		At 6.17 in down and 6.05 in over , s/b , then				
HPQ	632	87		At 6.17 in down and 7.07 in over sequence s/b Sequence				
HPQ	633	87		At 9.78 in down and 1.83 in over SCSI task s/b command				
HPQ	634	88		At 5.71 in down and 4.52 in over reason code explanation set to s/b a Reason Code Explanation set to				
HPQ	635	88		At 5.71 in down and 2.10 in over the reason code of s/b a Reason Code set to				
HPQ	636	88		At 1.83 in down and 6.01 in over , s/b , then				
HPQ	637	88		At 2.90 in down and 6.94 in over , s/b , then				
HPQ	638	88		At 3.93 in down and 1.36 in over , s/b , then				
HPQ	639	88		At 4.79 in down and 1.54 in over , s/b , then				
HPQ	640	88		At 5.90 in down and 1.99 in over , s/b , then				
HPQ	641	88		At 6.74 in down and 3.68 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	642	88		At 5.91 in down and 2.07 in over retransmit  This sentence needs a subject.				
HPQ	643	88		At 8.52 in down and 4.88 in over , s/b , then				
HPQ	644	88		At 9.47 in down and 7.41 in over , s/b , then				
HPQ	645	89		At 9.30 in down and 2.06 in over OX_ID; s/b OX_ID field value;				
HPQ	646	89		At 9.47 in down and 2.06 in over S_ID;and s/b S_ID field value; and				
HPQ	647	89		At 8.51 in down and 5.79 in over , s/b , then				
HPQ	648	89		At 10.04 in down and 6.24 in over , s/b , then				
HPQ	649	89		At 7.40 in down and 0.94 in over Delete: "For non-tagged command queuing operations, the target FCP_Port shall retain the Exchange information until: a)the next FCP_CMND IU has been received for that LUN from the same initiator FCP_Port; b)an FCP_CONF IU is received for the Exchange; or c)after RR_TOVSEQ_INIT times out. For tagged command queuing operations,"  since SAM-4 doesn't define untagged commands any more.				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	650	90		At 8.52 in down and 0.70 in over transmit an FCP_RSP IU with CHECK CONDITION status and sense data containing a sense key of HARDWARE ERROR and an additional sense code of INITIATOR DETECTED ERROR MESSAGE RECEIVED s/b terminate the command with CHECK CONDITION status with the sense key set to HARDWARE ERROR and the additional sense code set to INITIATOR DETECTED ERROR MESSAGE RECEIVED				
HPQ	651	90		At 1.64 in down and 6.53 in over , s/b , then				
HPQ	652	90		At 7.19 in down and 5.51 in over , s/b , then				
HPQ	653	90		At 8.14 in down and 3.31 in over , s/b , then				
HPQ	654	90		At 4.19 in down and 0.70 in over with the Relative Offset parameter specified by the SRR FCP_LS request s/b with the FCP_DATA_RO field in the FCP_XFER_RDY IU set to the value of the RELATIVE OFFSET field in the SRR				
HPQ	655	91		At 3.88 in down and 4.80 in over reason code explanation set to s/b a Reason Code Explanation set to				
HPQ	656	91		At 3.88 in down and 2.38 in over the reason code of s/b a Reason Code set to				
HPQ	657	91		At 2.14 in down and 3.11 in over target devices s/b FCP target devices				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	658	91		At 4.71 in down and 4.34 in over , s/b , then				
HPQ	659	91		At 5.93 in down and 5.29 in over , s/b , then				
HPQ	660	91		At 7.16 in down and 7.66 in over , s/b , then				
HPQ	661	91		At 8.23 in down and 3.68 in over , s/b , then				
HPQ	662	91		At 8.61 in down and 3.44 in over the s/b , then the				
HPQ	663	91		At 9.68 in down and 2.97 in over , s/b , then				
HPQ	664	91		At 8.23 in down and 5.96 in over sequence s/b Sequence				
HPQ	665	92		At 1.88 in down and 5.80 in over , s/b , then				
HPQ	666	92		At 3.62 in down and 4.96 in over , s/b , then				
HPQ	667	92		At 4.95 in down and 5.17 in over , s/b , then				
HPQ	668	92		At 7.89 in down and 6.02 in over , s/b , then				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	669	92		At 10.23 in down and 4.29 in over , s/b , then				
HPQ	670	92		At 3.98 in down and 3.39 in over , s/b , then				
HPQ	671	92		At 5.78 in down and 6.00 in over , s/b , then				
HPQ	672	93		At 2.48 in down and 1.31 in over , s/b , then				
HPQ	673	93		At 2.48 in down and 7.09 in over , s/b , then				
HPQ	674	93		At 2.86 in down and 2.97 in over , s/b , then				
HPQ	675	94		At 6.73 in down and 1.97 in over retransmission s/b retransmission				
HPQ	676	94		At 5.16 in down and 2.93 in over Port_Name s/b N_Port_Name				
HPQ	677	94		At 5.39 in down and 2.93 in over Port_Name s/b N_Port_Name				
HPQ	678	94		At 6.56 in down and 0.91 in over Change to lettered table footnotes, delete "NOTES:"				
HPQ	679	94		At 2.91 in down and 0.68 in over Delete this section header A.1 Definition of procedure terms since there is no A.2				



**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	680	94		At 3.15 in down and 6.94 in over tasks s/b commands and task management functions				
HPQ	681	94		At 3.53 in down and 2.38 in over tasks s/b commands				
HPQ	682	94		At 3.53 in down and 4.36 in over add: and enables the task router and task manager(s) to receive and process task management functions.				
HPQ	683	94		At 7.13 in down and 6.19 in over nexus s/b I_T_L_Q nexus				
HPQ	684	94		Comment=				
HPQ	685	94		At 6.74 in down and 2.68 in over retransmission should be retransmission				
HPQ	686	94		Comment=				
HPQ	687	94		At 7.14 in down and 2.64 in over retransmission should be retransmission				
HPQ	688	95		At 9.16 in down and 6.31 in over init = initiator s/b init = SCSI initiator port				
HPQ	689	95		At 9.35 in down and 2.57 in over targ = target s/b target = SCSI target port				
HPQ	690	95		At 4.92 in down and 1.18 in over initiator SCSI ID SAM-4 this standard DS targ or TM targ				
HPQ	691	95		At 9.57 in down and 0.79 in over Change to lettered table footnotes, delete "Notes"				
HPQ	692	95		At 6.95 in down and 0.48 in over Add status qualifier   SAM-4   SAM-4   DS -> targ -> init -> AC				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	693	95		At 3.70 in down and 0.53 in over Add command priority   SAM-4   SAM-4/cmd   AC -> init -> targ -> DS				
HPQ	694	96		At 4.45 in down and 1.26 in over SCSI FCP read operation s/b read command  (change section and table headers too)				
HPQ	695	97		At 6.75 in down and 0.95 in over SCSI command s/b command				
HPQ	696	97		At 1.93 in down and 1.47 in over SCSI FCP write operation s/b write command  (change section and table headers too)				
HPQ	697	97		At 6.75 in down and 0.95 in over typical SCSI FCP operation terminating without data transfer, either because of an error or because the SCSI command does not require any data transfer, s/b non-data command or a command terminating without data transfer  (change section and table headers too)				
HPQ	698	98		At 1.93 in down and 1.26 in over SCSI read operation s/b read command  (change section and table headers too)				
HPQ	699	98		At 5.62 in down and 1.28 in over SCSI write operation s/b write command  (change section and table headers too)				
HPQ	700	98		At 5.37 in down and 3.87 in over FCP_XFR_RDY s/b FCP_XFER_RDY				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	701	99		At 1.93 in down and 1.52 in over SCSI FCP bidirectional command s/b bidirectional command  (change section and table headers too)				
HPQ	702	99		At 6.23 in down and 1.52 in over SCSI FCP bidirectional command s/b bidirectional command  (change section and table headers too)				
HPQ	703	100		At 1.93 in down and 0.83 in over SCSI FCP bidirectional command s/b bidirectional command  (change section and table headers too)				
HPQ	704	101		At 1.93 in down and 1.08 in over SCSI FCP bidirectional command s/b bidirectional command  (change section and table headers too)				
HPQ	705	102		At 1.69 in down and 0.68 in over Delete this section, since linked commands are obsolete in SAM-4.  B.1.11SCSI linked commands				
HPQ	706	103		At 5.77 in down and 2.45 in over SCSI Task Management function s/b task management function  (change section and table headers too)				
HPQ	707	103		At 5.96 in down and 4.88 in over Task Management function s/b lowercase				
HPQ	708	103		At 1.93 in down and 1.08 in over SCSI WRITE command s/b write command  (change section and table headers too)				

**FCP-4 Revision 01a Comments**

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	709	104		At 1.93 in down and 5.02 in over an FCP write s/b a write command  (change section and table headers too)				
HPQ	710	104		At 4.41 in down and 2.43 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				
HPQ	711	104		At 6.16 in down and 4.18 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				
HPQ	712	104		At 8.88 in down and 4.18 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				
HPQ	713	104		At 4.02 in down and 2.85 in over The use of OX_ID and FQXID doesn't seem right. □ FQXID is defined as S_ID, D_ID, OX_ID, and RX_ID. The definition mentions that the RX_ID part starts as FFFFh, but that doesn't make it not a FQXID.  The first frame has S_ID, D_ID, and OX_ID filled in. RX_ID is unused. The FCP_XFER_RDY frame fills in RX_ID as well.  This might be better shown using variables. In the first frame, show: S_ID=A D_ID=B OX_ID=C RX_ID=FFFFh  Then show this in the FCP_XFER_RDY frame and FCP_RSP frame: S_ID=B, D_ID=A, OX_ID=C, RX_ID=D.  Make similar changes in figures B.2 and B.3.				

**FCP-4 Revision 01a Comments**

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	714	104		At 3.26 in down and 2.61 in over Initiator Frames Target Frames s/b FCP initiator port frames FCP target port frames				
HPQ	715	104		At 2.74 in down and 0.66 in over Add "class 2" to the section header and paragraph introducing the figure.				
HPQ	716	104		At 4.02 in down and 2.42 in over SOFi2, EOFn, and EOFt have not been defined in this standard. Add a key: list at the bottom of each figure using them.				
HPQ	717	105		At 3.43 in down and 3.28 in over frameframe s/b frame				
HPQ	718	105		At 7.89 in down and 2.67 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				
HPQ	719	105		At 4.01 in down and 2.66 in over Hold Seq Initiative s/b Hold Sequence Initiative				
HPQ	720	105		At 5.95 in down and 2.66 in over Hold Seq Initiative s/b Hold Sequence Initiative				
HPQ	721	105		At 2.85 in down and 2.85 in over Initiator Frames Target Frames s/b FCP initiator port frames FCP target port frames				
HPQ	722	106		At 1.93 in down and 4.28 in over an FCP read s/b a read command  (change section and table headers too)				
HPQ	723	106		At 4.66 in down and 2.42 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	724	106		At 7.96 in down and 4.17 in over Xfer Seq Initiative s/b Transfer Sequence Initiative				
HPQ	725	106		At 3.50 in down and 2.60 in over Initiator Frames Target Frames s/b FCP initiator port frames FCP target port frames				
HPQ	726	106		At 2.48 in down and 0.67 in over Add "class 2" to the section header and paragraph introducing the figure.				
HPQ	727	107		At 4.54 in down and 4.41 in over Hold Seq Initiative s/b Hold Sequence Initiative				
HPQ	728	107		At 6.48 in down and 4.41 in over Hold Seq Initiative s/b Hold Sequence Initiative				
HPQ	729	107		At 8.43 in down and 4.41 in over Hold Seq Initiative s/b Hold Sequence Initiative				
HPQ	730	107		At 3.19 in down and 2.85 in over FCP Initiator Frames FCP Target Frames s/b FCP initiator port frames FCP target port frames				
HPQ	731	109		At 6.22 in down and 4.66 in over ABTS (Sequence) s/bABTS				
HPQ	732	109		At 3.91 in down and 2.10 in over In all annex C figures: Initiator□ Target s/b Initiator FCP_Port□Target FCP_Port				
HPQ	733	111		At 7.27 in down and 6.04 in over REC EIS s/b REC ELS				
HPQ	734	111		At 6.91 in down and 4.61 in over ABTS (Sequence) s/b ABTS				

**FCP-4 Revision 01a Comments**

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	735	111		At 2.91 in down and 4.02 in over ABTS (Sequence) s/b ABTS				
HPQ	736	112		At 3.50 in down and 3.84 in over ABTS (Sequence) s/b ABTS				
HPQ	737	113		At 7.55 in down and 5.73 in over REC_TOV* s/b REC_TOV				
HPQ	738	113		At 4.28 in down and 1.62 in over REC_TOV* s/b REC_TOV				
HPQ	739	113		At 4.06 in down and 2.61 in over REC_TOV* s/b REC_TOV				
HPQ	740	113		At 9.16 in down and 4.80 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	741	113		At 3.03 in down and 4.39 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	742	114		At 3.53 in down and 3.85 in over ABTS (Sequence) s/b ABTS				
HPQ	743	114		At 9.47 in down and 4.33 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	744	114		At 3.04 in down and 4.02 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	745	115		At 4.14 in down and 4.10 in over ABTS (Sequence) s/b ABTS				

**FCP-4 Revision 01a Comments**

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	746	115		At 3.31 in down and 4.27 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	747	116		At 3.31 in down and 5.49 in over RR_TOVSEQ_INI s/b RR_TOVSEQ_INIT				
HPQ	748	116		At 6.62 in down and 2.81 in over REC_TOV* s/b REC_TOV				
HPQ	749	116		At 3.92 in down and 2.27 in over REC_TOV* s/b REC_TOV				
HPQ	750	117		At 3.64 in down and 4.07 in over ABTS (Sequence) s/b ABTS				
HPQ	751	118		At 3.96 in down and 3.82 in over ABTS (Sequence) s/b ABTS				
HPQ	752	119		At 6.80 in down and 4.71 in over reason code of s/b Reason Code set to				
HPQ	753	119		At 6.98 in down and 1.92 in over the reason code explanation of s/b Reason Code Explanation set to				
HPQ	754	119		At 4.23 in down and 4.37 in over ABTS (Sequence) s/b ABTS				
HPQ	755	120		At 5.37 in down and 4.05 in over Invalid OX_ID - RX_ID s/b Invalid OX_ID - RX_ID combination				
HPQ	756	120		At 7.29 in down and 2.46 in over ABTS (Sequence) s/b ABTS				



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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	757	120		At 7.84 in down and 2.75 in over ABTS (Sequence) s/b ABTS				
HPQ	758	120		At 3.50 in down and 5.81 in over ABTS (Sequence) s/b ABTS				
HPQ	759	121		At 3.90 in down and 3.87 in over (seq=1, cnt=0, RO=0) s/b SEQ_ID=1, SEQ_CNT=0, PARAMETER=0				
HPQ	760	121		At 4.34 in down and 4.06 in over seq=1, cnt=1 s/b SEQ_ID=1, SEQ_CNT=1				
HPQ	761	121		At 9.17 in down and 3.86 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	762	121		At 9.52 in down and 3.85 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	763	121		At 3.17 in down and 4.25 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	764	121		At 8.35 in down and 4.62 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	765	121		At 7.73 in down and 3.74 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	766	122		At 3.89 in down and 3.86 in over ABTS (Sequence) s/b ABTS				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	767	122		At 3.22 in down and 3.62 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	768	122		At 3.57 in down and 3.67 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	769	122		At 9.46 in down and 3.58 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	770	122		At 9.81 in down and 3.63 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	771	122		At 8.92 in down and 4.37 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	772	122		At 2.63 in down and 4.80 in over (RO=0) s/b (FCP_DATA_RO=0) and add a space before (				
HPQ	773	122		At 7.99 in down and 3.48 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	774	123		At 3.44 in down and 3.73 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	775	123		At 3.75 in down and 3.84 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	776	123		At 9.46 in down and 3.83 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	777	123		At 9.81 in down and 3.85 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	778	123		At 9.17 in down and 4.65 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	779	123		At 3.06 in down and 4.47 in over (RO=0) s/b (FCP_DATA_RO=0)				
HPQ	780	123		At 8.55 in down and 3.74 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	781	124		At 4.03 in down and 3.86 in over ABTS (Sequence) s/b ABTS				
HPQ	782	124		At 3.17 in down and 3.65 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	783	124		At 3.43 in down and 3.70 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	784	124		At 9.46 in down and 3.58 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	785	124		At 9.81 in down and 3.63 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	786	124		At 8.92 in down and 4.37 in over (RO=0) s/b (FCP_DATA_RO=0)				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	787	124		At 2.63 in down and 4.90 in over (RO=0) s/b (FCP_DATA_RO=0)  and add a space before (				
HPQ	788	124		At 7.99 in down and 3.45 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	789	125		At 4.12 in down and 1.97 in over REC_TOV* s/b REC_TOV				
HPQ	790	125		At 5.09 in down and 1.78 in over REC_TOV* s/b REC_TOV				
HPQ	791	125		At 3.23 in down and 3.84 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	792	125		At 3.66 in down and 4.03 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	793	125		At 8.70 in down and 4.05 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	794	125		At 9.07 in down and 4.34 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	795	125		At 8.02 in down and 3.71 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	796	125		Comment=				
HPQ	797	125		At 7.38 in down and 7.24 in over  FCP_DATA retransmission uses a new				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	798	126		At 3.38 in down and 3.83 in over ABTS (Sequence) s/b ABTS				
HPQ	799	126		At 2.64 in down and 4.20 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	800	126		At 2.99 in down and 4.47 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	801	126		At 9.10 in down and 3.81 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	802	126		At 9.35 in down and 4.17 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	803	126		At 8.14 in down and 3.45 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	804	127		At 4.12 in down and 1.97 in over REC_TOV* s/b REC_TOV				
HPQ	805	127		At 5.09 in down and 1.80 in over REC_TOV* s/b REC_TOV				
HPQ	806	127		At 5.09 in down and 2.39 in over is add space before				
HPQ	807	127		At 3.23 in down and 3.84 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				

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(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	808	127		At 3.76 in down and 4.03 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	809	127		At 8.70 in down and 4.05 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	810	127		At 9.07 in down and 4.34 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	811	127		At 8.02 in down and 3.71 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	812	127		Comment=				
HPQ	813	127		At 7.38 in down and 7.24 in over  FCP_DATA retransmission uses a new -- again something seems left off - probably "Exchange."				
HPQ	814	128		At 2.98 in down and 6.33 in over sequence s/b Sequence				
HPQ	815	128		At 3.63 in down and 1.94 in over Error s/b error				
HPQ	816	128		At 3.79 in down and 3.83 in over ABTS (Sequence) s/b ABTS				
HPQ	817	128		At 2.83 in down and 4.17 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	818	128		At 3.18 in down and 4.47 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	819	128		At 9.07 in down and 3.81 in over (seq=2, cnt=0, RO=0) s/b (SEQ_ID=2, SEQ_CNT=0, PARAMETER=0)				
HPQ	820	128		At 9.32 in down and 4.14 in over (seq=2, cnt=1) s/b (SEQ_ID=2, SEQ_CNT=1)				
HPQ	821	128		At 8.11 in down and 3.45 in over (RO=0) s/b (RELATIVE OFFSET=0)				
HPQ	822	129		At 4.32 in down and 3.54 in over ABTS (Sequence) s/b ABTS				
HPQ	823	129		At 3.72 in down and 3.24 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	824	130		At 8.32 in down and 5.84 in over ABTS (Sequence) s/b the ABTS				
HPQ	825	130		At 5.32 in down and 3.92 in over ABTS (Sequence) s/b ABTS				
HPQ	826	130		At 4.38 in down and 3.92 in over (seq=1, cnt=0, RO=0) s/b (SEQ_ID=1, SEQ_CNT=0, PARAMETER=0)				
HPQ	827	130		At 4.68 in down and 4.10 in over (seq=1, cnt=1) s/b (SEQ_ID=1, SEQ_CNT=1)				
HPQ	828	130		At 3.63 in down and 4.51 in over (RO=0) s/b (FCP_DATA_RO=0)				

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(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	829	132		At 4.00 in down and 3.64 in over ABTS (Sequence) s/b ABTS				
HPQ	830	133		At 4.81 in down and 4.66 in over Invalid OX_ID-RX_ID s/b Invalid OX_ID-RX_ID combination				
HPQ	831	133		At 4.31 in down and 3.83 in over ABTS (Sequence) s/b ABTS				
HPQ	832	134		At 2.23 in down and 2.26 in over 2xR_A_TOV  Add space around x and ensure that the Symbol font multiply character is used, not the letter x				
HPQ	833	134		At 7.13 in down and 3.07 in over ABTS (Sequence) s/b ABTS				
HPQ	834	134		At 3.28 in down and 3.25 in over ABTS (Sequence) s/b ABTS				
HPQ	835	135		At 7.82 in down and 3.97 in over ABTS (Sequence) s/b ABTS				
HPQ	836	135		At 2.72 in down and 4.10 in over ABTS (Sequence) s/b ABTS				
HPQ	837	137		At 1.65 in down and 3.28 in over Lost, Unacknowledged Classes, Abort s/b lowercase				
HPQ	838	137		At 2.63 in down and 1.65 in over 2xR_A_TOV  Add space around x and ensure that the Symbol font multiply character is used, not the letter x				



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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	839	137		At 3.65 in down and 2.28 in over 2xR_A_TOV  Add space around x and ensure that the Symbol font multiply character is used, not the letter x				
HPQ	840	137		At 2.72 in down and 4.10 in over ABTS (Sequence) s/b ABTS				
HPQ	841	137		At 3.65 in down and 4.28 in over ABTS (Sequence) s/b ABTS				
HPQ	842	138		At 2.23 in down and 1.90 in over 2 times R_A_TOV s/b 2 x R_A_TOV  using the Symbol font times character				
HPQ	843	138		At 6.66 in down and 4.37 in over ABTS (Sequence) s/b ABTS				
HPQ	844	138		At 7.02 in down and 2.29 in over ABTS (Sequence) s/b ABTS				
HPQ	845	138		At 3.26 in down and 3.38 in over ABTS (Sequence) s/b ABTS				
HPQ	846	138		Comment=				
HPQ	847	138		At 6.68 in down and 5.53 in over  Seqeunce should be Sequence				
HPQ	848	139		At 2.23 in down and 2.18 in over 2 times R_A_TOV s/b 2 x R_A_TOV  using the Symbol font times character				
HPQ	849	139		At 6.81 in down and 5.13 in over ABTS (Sequence) s/b ABTS				

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Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	850	139		At 2.82 in down and 3.65 in over ABTS (Sequence) s/b ABTS				
HPQ	851	140		At 2.72 in down and 3.70 in over ABTS (Sequence) s/b ABTS				
HPQ	852	140		At 7.61 in down and 1.73 in over ABTS (Sequence) s/b ABTS				
HPQ	853	140		At 7.98 in down and 5.71 in over ABTS (Sequence) s/b ABTS				
HPQ	854	141		At 7.67 in down and 2.65 in over ABTS (Sequence) s/b ABTS				
HPQ	855	141		At 8.21 in down and 5.08 in over ABTS (Sequence) s/b ABTS				
HPQ	856	141		At 3.13 in down and 4.06 in over ABTS (Sequence) s/b ABTS				
HPQ	857	142		At 6.65 in down and 5.65 in over FCP target function s/b FCP target port function				
HPQ	858	142		At 7.22 in down and 5.22 in over type of target s/b peripheral device type of the logical unit				
HPQ	859	142		At 3.84 in down and 6.51 in over Port_Name s/b N_Port_Name				
HPQ	860	142		At 4.40 in down and 1.21 in over PAGE CODE s/b PAGE CODE field				

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(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	861	142		At 8.37 in down and 2.79 in over the s/b each				
HPQ	862	143		At 6.46 in down and 3.96 in over Address Identifier s/b lowercase				
HPQ	863	143		At 7.03 in down and 5.30 in over Address Identifier s/b lowercase				
HPQ	864	143		At 2.60 in down and 5.17 in over the s/b each				
HPQ	865	143		At 2.40 in down and 5.86 in over PAGE CODE s/b PAGE CODE field				
HPQ	866	143		At 2.60 in down and 1.55 in over the Device Identification VPD page s/b 83h (i.e., the Device Identification VPD page)				
HPQ	867	143		At 8.72 in down and 2.48 in over PAGE CODE s/b PAGE CODE field				
HPQ	868	143		At 8.73 in down and 3.68 in over the Device Identification VPD page s/b set to 83h (i.e., the Device Identification VPD page)				
HPQ	869	144		At 8.32 in down and 6.77 in over task s/b command				
HPQ	870	146		At 7.90 in down and 4.71 in over Excahnge s/b Exchange				

### FCP-4 Revision 01a Comments

(08-411r0)

Company-#	Technical /Editorial	Physical Page	Section/table/figure locator	Problem Description	Suggested solution	Response	Status	Edit Status
HPQ	871	146		At 6.03 in down and 0.68 in over Delete this section header E.3.1 RRQ ELS request format since there is no E.3.2				