	A	B	C	D	E	F
1	This is supplemental information to proposal 08-249. It is not intended to be added to the spec. It follows the same basic structure as Appendix L of					
2	This is showing the AIP progression / state machine progression between two expanders (named Expander A and Expander B					
3	Assume a topology pathway that consists of End Device <-> Exp A <-> Exp B <-> End device					
4	Assume Exp A to Exp B link is initially in partial. Exp B to End Device link is initially in slumber.					
5	Also note that PDF formatting is not terribly friendly, and the Excel source file is also posted on the T10 web site.					
6						
7			**Expander A, Phy X**			
8	RX	TX	XL State	XL req/rsp	XL conf/ind	XL conf/ind
9			XL0:Idle			
10	OAF					
11			XL1:Request_Path	Request Path		
12		AIP (NORMAL)			Arbitrating (Normal)	
13						
14					Arb Won	
15			XL2:Request Open	Forward Open		Forward Open
16			XL3:Open_Confirm_Wait			
17					Backoff Retry	
18			XL1:Request_Path	Request Path		
19					Arbitrating (Normal)	
20						
21					Arb Won	
22			XL2:Request Open	Forward Open		
23			XL3:Open_Confirm_Wait			Forward Open
24					Backoff Retry	
25			XL1:Request_Path	Request Path		
26					Arbitrating (Normal)	
27						
28					Arb Won	
29			XL2:Request Open	Forward Open		
30			XL3:Open_Confirm_Wait			Forward Open
31						
32						
33						
34						
35		AIP (WAITING ON DEVICE)			Arb Status (Waiting On Device)	
36						
37						
38						
39						
40		AIP (NORMAL)			Arb Status (Normal)	
41						
42						
43						
44					Open Reject (Retry)	
45		OPEN_REJECT (RETRY)	XL0:Idle			

	G	H	I	J	K	L
1	the SAS 2 spec.					
2						
3						
4						
5						
6						
7		**Expander A, Phy Y**				
8	**XL req/rsp**	**XL State**	**TX**	**RX**	**RX**	**TX**
9		XL12:PS_Quiet (Partial)				
10						
11						
12						
13						
14						
15						
16	Backoff Retry	(send exit request to SP)				
17						
18						
19						
20						
21						
22						
23						
24	Backoff Retry					
25		XL0:Idle				
26						
27						
28						
29						
30						
31		XL5:Forward_Open				
32			OAF			
33		XL6:Open_Response_Wait			OAF	
34	Arb Status (Waiting On Device)					
35						
36						
37						AIP(NORMAL)
38				AIP (NORMAL)		
39	Arb Status (Normal)					
40						
41						OPEN_REJECT (RETRY)
42				OPEN_REJECT (RETRY)		
43	Open Reject (Retry)	XL0:Idle				
44						
45						

	M	N	O	P	Q	R	S	T
1								
2								
3								
4								
5								
6								
7	**Expander B, Phy X**			**Expander B, Phy Y**				
8	**XL State**	**XL req/rsp**	**XL conf/ind**	**XL conf/ind**	**XL req/rsp**	**XL State**	**TX**	**RX**
9	XL12:PS_Quiet (Partial)					XL12:PS_Quiet (Slumber)		
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25	XL0 Idle							
26								
27								
28								
29								
30								
31								
32								
33								
34	XL1:Request_Path	Request Path						
35			Arbitrating (Normal)					
36								
37			Arb Won					
38	XL2:Request Open	Forward Open		Forward Open		(send exit request to SP)		
39	XL3:Open_Confirm_Wait				Open Reject (Retry)			
40			Open Reject (Retry)					
41	XL0:Idle							
42								
43						XL0:Idle		
44								
45								