Proposed Draft

Serial ATA International Organization

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Document History

Version	Date	Comments
0	12/11/2014	Initial release.

1 Introduction

1.1 Problem Statement

In the FCOMP pattern table one of the values shown for a positive running disparity version of D24.2 had the incorrect first four binary numbers as well as the incorrect hexadecimal value.

1.2 Solution Summary

Replace the incorrect binary and hexadecimal values with the correct values.

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2 Technical Specification Changes

2.1 <Title of section being changed>

[editor note: Existing text is black. New text is marked as underlined in blue color. Material to be deleted ~~is red with strikethrough markings.~~]

2.1.1.1.1 <7.4.5.4.8> Framed composite pattern (FCOMP)

The Framed Composite Pattern (FCOMP) (see Table **73**) is equivalent to the COMP pattern as defined in 7.4.5.4.7 with the following structured changes:

a) according to 7.4.5.3 the COMP pattern is framed;
b) 2 $ALIGN_P$ primitives inserted every 256 Dwords; and
c) a short Inter Gap region is introduced before and after the SOF_P/EOF_P to ensure that if repeated sequentially by a generator the 256 Dword $ALIGN_P$ primitives are perfectly and uniformly spaced 256 Dwords apart even after wrap-around by the generator.

Table 73 – Framed Composite Pattern (FCOMP)(part 6 of 7)

Transmission Order →

-	K28.3(7Ch)-		D21.5(B5h)+			D21.6(D5h)+			D21.6(D5h)+		+
	0011b	1100b	1110b	1010b	1010b	1010b	1001b	1010b	1010b	0110b	
	3h	Ch	Eh	Ah	Ah	Ah	9h	Ah	Ah	6h	
	EOF_P										
+	K28.3(7Ch)+		D21.5(B5h)-			D24.2(58h)-			D24.2(58h)+		-
	1100b	0011b	0010b	1010b	1010b	1100b	1101b	0100b	1100b	0101b	
	Ch	3h	2h	Ah	Ah	Ch	Dh	4h	Ch	5h	
	$WTRM_P$										
-	K28.3(7Ch)-		D21.5(B5h)+			D24.2(58h)+			D24.2(58h)-		+
	0011b	1100b	1110b	1010b	1010b	~~1100b~~ 0011b	0001b	0111b	0011b	0101b	
	3h	Ch	Eh	Ah	Ah	~~Ch~~3h	1h	7h	3h	5h	
	Above 2 Dwords are repeated a total of 2 times. $WTRM_P$ (4 DW)										

2.1.1.1.2 <9.2.3.6.2> Data characters

Table 87 – Valid data characters (continued)(part 2 of 4)

Name	Byte	abcdei fghj Output		Name	Byte	abcdei fghj Output	
		Current rd-	Current rd+			Current rd-	Current rd+
D24.2	58h	110011 0101b	001100 0101b	D24.3	78h	110011 0011b	001100 1100b