

**ESD Association Standards Committee  
Standards Interpretation Bulletin**

June 19, 2008

The ESD Association Standards Committee is issuing this interpretation bulletin regarding ANSI/ESD S20.20-2007. This bulletin modifies the requirements specified in Table 3 EPA Control Items (Garments). Table 3 should now be modified to disregard the two garment types; “Groundable Static Control Garment” and “Groundable Static Control Garment System”, along with their Test Methods and Requirements.

Additionally, the “Static Control Garment” Required Limit should be:  $1 \times 10^5$  ohms to  $1 \times 10^{11}$  ohms, per ANSI/ESD STM2.1-1997.

These changes are necessary because the referenced document, ANSI/ESD STM2.1, has been brought back to a Work in Progress (WIP) status and therefore these two garment types (mentioned above) are also brought back to WIP status.

**Reference Information**

**Table 3. EPA ESD Control Items**

Technical Requirement	ESD Control Item	Product Qualification <sup>1</sup>		Compliance Verification	
		Test Method	Required Limit(s) <sup>2</sup>	Test Method	Required Limit(s)
	Garments	Static Control Garment (ANSI/ESD STM2.1)	$< 1 \times 10^{11}$ ohms	ESD TR53 Garments Section	$< 1 \times 10^{11}$ ohms
		Groundable Static Control Garment (ANSI/ESD STM2.1)	$< 1 \times 10^9$ ohms	ESD TR53 Garments Section	$< 1 \times 10^9$ ohms
		Groundable Static Control Garment System (ANSI/ESD STM2.1)	$< 3.5 \times 10^7$ ohms	ESD TR53 Garments Section	$< 3.5 \times 10^7$ ohms

John Kinnear  
Working Group Chairman

Tim Jarrett  
Standards Chairman

**ESD Association Standards Committee  
Standards Change Notification**

June 14, 2007

This notification reports on two typos in ANSI/ESD S20.20-2007, Table 2 Personnel Grounding Requirement. These corrections have been made to the Standard and are highlighted below for your reference.

**Previous Information**

**Table 2. Personnel Grounding Requirement**

Personnel Grounding Technical Requirement	Product Qualification <sup>1</sup>		Compliance Verification	
	Test Method	Required Limit(s)	Test Method	Required Limit(s)
Wrist Strap System <sup>2</sup>	ANSI/ESD S1.1 (Section 5.10)	0.8 x 10 <sup>6</sup> to 1.2 x 10 <sup>6</sup> ohms	ESD TR53 Wrist Strap Section	< 3.5 x 10 <sup>7</sup> ohms

**Current Information**

**Table 2. Personnel Grounding Requirement**

Personnel Grounding Technical Requirement	Product Qualification <sup>1</sup>		Compliance Verification	
	Test Method	Required Limit(s)	Test Method	Required Limit(s)
Wrist Strap System <sup>2</sup>	ANSI/ESD S1.1 (Section 5.11)	< 3.5 x 10 <sup>7</sup> ohms	ESD TR53 Wrist Strap Section	< 3.5 x 10 <sup>7</sup> ohms

John Kinnear  
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