

CONTENTS

FOREWORD	4
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 Atmosphere for conditioning and testing	8
5 Equipment and materials	9
5.1 Resistance measurement apparatus	9
5.1.1 General	9
5.1.2 Product qualification	9
5.1.3 Acceptance testing	9
5.1.4 Ohmmeter for testing personnel ground path	9
5.2 Resistance measurement electrodes	9
5.2.1 Cylindrical electrodes	9
5.2.2 Clamps or electrodes	10
5.2.3 Cuff test fixture	10
5.2.4 Hand-held electrode	10
5.3 Support surface	10
5.3.1 Insulative support surface	10
5.3.2 Insulative sleeve inserts	10
5.3.3 Insulative hangers	10
6 Test procedure	10
6.1 Sample preparation	10
6.1.1 General	10
6.1.2 Number of samples	11
6.2 Humidity requirements	11
6.3 Test procedures	11
6.3.1 General	11
6.3.2 Resistance point-to-point	11
6.3.3 Resistance point-to-groundable point	12
6.3.4 Cuff measurements	12
6.3.5 Groundable static control garment system	12
7 Product qualification	13
8 Reporting	13
Annex A (informative) Garment types and resistance values	20
Annex B (informative) Data collection sheet (example)	21
Bibliography	23
Figure 1 – Test set-up – Resistance point-to-point (sleeve-to-sleeve procedure with insulative sleeve inserts)	14
Figure 2 – Test set-up – Resistance point-to-point (insulative sleeve insert inserted into sleeve detail)	14
Figure 3 – Test set-up – Resistance point-to-point (panel-to-panel procedure with insulative support surface)	14
Figure 4 – Test set-up – Resistance point-to-point (cuff-to-cuff procedure)	15

Figure 5 – Test set-up – Resistance point-to-point (electrode inserted into cuff detail)	15
Figure 6 – Test set-up – Resistance point-to-point (hanging clamp sleeve-to-sleeve procedure)	16
Figure 7 – Clamps or electrodes for hanging garment test	16
Figure 8 – Test set-up – Resistance point-to-groundable point (cuff-to-groundable-point procedure with insulative sleeve inserts)	17
Figure 9 – Test set-up – Resistance point-to-groundable point (sleeve-to-groundable-point procedure with insulative sleeve inserts)	17
Figure 10 – Groundable garment cuff test	18
Figure 11 – Test set-up – Groundable static control garment system resistance (groundable garment in combination with a person using a meter and hand-held electrode)	18
Figure 12 – Test set-up – Groundable static control garment system resistance (groundable garment in combination with a person using an integrated tester).....	19
Table 1 – Product qualification	13
Table A.1 – Garment types and resistance values.....	20