

**ENGINEERING GUIDELINE****HSG-GDL-16022020****Revision: 2****Effective Date: 09-JUN-2017****TITLE: EQUIPMENT STATIC GROUNDING TEST METHOD**

Revision	Date	By	Description of change
	29-DEC-2020	A. Wardin	Updated to SSG template revision 2
2.0	09-JUN-2017	ELEC Team	Replaces global document
1.0	01-MAR-2014	Electrical EET	New Document replacing obsolete document 0000-std-16022020 Per Electrical EET/R. Savard, effective date of technical content is 13-JUN-1997

**1. SCOPE**

- 1.1. This document identifies the requirements and procedures to test for satisfactory static grounding.

**2. DISCUSSION**

- 2.1. Tools required

A. Ohmmeter

B. Jumper wires

- 2.2. Static grounds shall be inspected and tested periodically as directed by Hemlock Semiconductor Operations Standard SPO-11. The static grounds and equipment are listed in SSG Document Number 16.020.001.

- 2.3. Tests shall be conducted by qualified personnel.

- 2.4. Testing does not relieve operating personnel and/or supervisors from their responsibility to daily visually inspect the grounds.

- 2.5. Using an ohmmeter, check resistance from the ground connection or clamp to building steel. Document item checked, date checked and measured resistance value. Similarly check resistance across bonding jumpers.

- 2.6. Resistance of 100,000 ohms or less shall be acceptable. It should be noted that normally readings will be in the 1 - 10 ohm range. Readings higher than 1 - 10 ohms, while acceptable, may indicate impending problems.

**3. DEFINITIONS**

Term	Definition
Static electricity	An electrical charge developed on the surface of materials as a result of physical contact and subsequent separation.

**ENGINEERING GUIDELINE****HSG-GDL-16022020****Revision: 2****Effective Date: 09-JUN-2017****TITLE: EQUIPMENT STATIC GROUNDING TEST METHOD****4. RELATED SSG DOCUMENTS**

<b>SSG Number</b>	<b>SSG Title</b>
16.680.002	Mandatory Grounding Requirements

**5. REFERENCES**

<b>Document No.</b>	<b>Title</b>
	This document replaces Dow Corning Electrical Practice E 2.50-1
	CSH&LP Standard SPO-11, Purging, Inerting, and Static Electricity Control

**6. APPENDICES / ATTACHMENTS****6.1. Appendices**

<b>Document No.</b>	<b>Title</b>
None	

**6.2. Attachments**

<b>Document No.</b>	<b>Title</b>
16.022.020.001	Equipment Static grounding Test Form

\* \* \* END OF SECTION \* \* \*