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SSTD-8070-0096-TEST Rev. A
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COMPLIANCE IS MANDATORY

John C. Stennis Space Center CONTROLS AND INSTRUMENTATION CABLE TESTING

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	Effective Date:	September 17, 2015
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Responsible Office: NASA SSC Center Operations Directorate		
SUBJECT: Controls And Instrumentation Cable Testing		

Document History Log

Change/ Revision	Change Date	Originator/ Phone	Description
Basic	09.22.10	J. Lacher/8-1066	Initial release, supersedes SSC 61-003.
A	09.17.15	J. Lacher/8-1066	Five-year review. Revised cover sheet to require approval from NASA SSC Center Operations Directorate Operations & Maintenance Division, and concurrence by NASA SSC Engineering and Test Directorate. Updated references and acronyms. Administrative changes throughout. Removed 7.1-c, 7.1-d and Table 2; changed 7.1-e to 7.1-c.

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1.0 PURPOSE

This John C. Stennis Space Center (SSC) standard (SSTD) defines acceptance requirements and procedures for testing low voltage instrumentation transmission, distribution and control cable for continuity, short circuit and insulation resistance.

2.0 APPLICABILITY

- This SSTD applies to cables which are either installed, in storage or in shop-made assemblies.
- Work specifications shall specifically state the need for cable testing when it is required.
- This SSTD shall be used for cable testing unless specified otherwise.
- Testing of coaxial cable or power cable is not within the scope of this standard.

3.0 REFERENCES

All references are assumed to be the latest version unless otherwise indicated.

ANSI/NEMA WC 70/ICEA 5-95-658, *Power Cables Rated 2000V Or Less For The Distribution Of Electrical Energy*

ANSI/NEMA WC 71/ICEA 5-96-659, *Standard For Non-Shielded Cables Rated 2001-5000V For Use In The Distribution Of Electrical Energy*

NEMA WC 74/ICEA 5-93-639, *5-46 KV Shielded Power Cable For Use In The Transmission And Distribution Of Electrical Energy*

SPR 1440.1, *SSC Records Management Program Requirements*

SSTD-8070-0005-CONFIG, *SSC Preparation, Review, Approval, and Release of SSC Standards*

4.0 RESPONSIBILITIES

- Users of this SSTD shall comply with its requirements, ensure use of the correct version of this standard and the documents it references, and inform the appropriate organization of needed changes in accordance with SSTD-8070-0005-CONFIG.