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S T A N D A R D S

Interface Practices Subcommittee

AMERICAN NATIONAL STANDARD

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**Specification for 75 ohm 'MCX' Connector,
Male & Female Interface**

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1. Introduction

1.1. Executive Summary

This document outlines the mechanical, electrical and environmental requirements for the 75 ohm MCX connector interface.

1.2. Scope

The purpose of this document is to specify requirements for the male/female interface of a 75 ohm, 3 GHz rated connector series generically known as MCX. This is an indoor connector with applications in controlled environment headends and hubsites.

All requirements of this document are measured after installation per manufacturer's instructions of the cable into the connector.

This document will address only the interface, not the connector body or the cable requirements. Mechanical, electrical and environmental performance is defined to ensure a reliable connection for permanent installations, as well as temporary adapters and calibration standards.

1.3. Benefits

This specification is necessary to provide manufacturers and users of this product a basic set of standard dimensional and performance requirements from which to gauge design performance. It's useful for cable and equipment manufacturers to ensure proper mating with varied connector manufactured designs. This specification provides confidence to end users that designs which meet these minimum criteria will perform properly in their systems.

1.4. Intended Audience

This document is intended for manufacturers and end users of this product, and products to which this connector type is intended to be used.

1.5. Areas for Further Investigation or to be Added in Future Versions

- None

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of this document. At the time of Subcommittee approval, the editions indicated were valid. All documents are subject to revision; and while parties to any agreement based on this document are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents might not be compatible with the referenced version.

2.1. SCTE References

- ANSI/SCTE 103 2018 Test Method for DC Contact Resistance, Drop cable to "F" connectors and F 81 Barrels
- ANSI/SCTE 04 2014 Test Method for "F" Connector Return Loss