STANDARDS

BICSI G2.1-22

ICT Outside Plant Construction and Installation: Pole Setting, Anchoring, and Guying

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ICT Outside Plant Construction and Installation: Pole Setting, Anchoring, and Guying

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Preface

Revision History

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Translation Notice

This standard may have one or more translations available as a reference for the convenience of its readers. As that act of translation may contain inconsistencies with the original text, if differences between the translation and the published English version exist, the English text shall be used as the official and authoritative version.

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1 Introduction

1.1 Purpose

This standard is written to provide a common methodology for the installation and implementation of telecommunication and data cabling, with aerial pathways used within the outside plant (OSP) environment, for varying applications, jurisdictions, and projects.

This standard is intended primarily for, but not limited to:

- OSP cable installers
- OSP project designers and managers
- Construction and installation entities performing aerial OSP cable and pathway activities
- Authorities having jurisdiction (AHJ)

1.1 Categories of Criteria

Two categories of criteria are specified – mandatory and advisory.

- Mandatory criteria generally apply to protection, performance, administration, and compatibility; they specify the absolute minimum acceptable requirements.
- Advisory or desirable criteria are presented when their attainment will enhance the general performance of the component, system, or other element as indicated within all its contemplated applications.

Mandatory requirements are designated by the word *shall*; advisory recommendations are designated by the words *should*, *may*, or *desirable,* which are used interchangeably in this standard. While requirements and recommendations are typically separated to assist in usability, paragraphs or sections may exist where both appear together for context or readability.

Where equivalent local codes and standards exist, requirements from these local specifications shall apply. Where reference is made to a requirement that exceeds minimum code requirements, the specification requirement shall take precedence over any apparent conflict with applicable codes.

2 Scope

This standard applies to the installation of telecommunication cable within aerial pathways. The methods within are written for balanced twisted-pair, optical fiber media, and coaxial cables, including installation methods for poles, supports, and arms within the aerial pathway.

The material found within this standard may not cover all requirements specific to the site or project requirements. Additionally, specific items not covered within this standard include:

- Electrical cabling installation
- Raising of concrete poles
- Maintenance, decommissioning or removal of aerial and underground cabling and its associated pathways
- Installation of electrical protection systems (e.g.: copper cable protection terminals and devices)

NOTICE: This standard does not purport to address all safety issues associated with its use. It is the responsibility of the users of this standard to establish appropriate safety and health practices and determine the applicability of regulatory or other limitations prior to use.