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Telecommunications
Engineers***

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**Cable Facility Classification Definitions and
Requirements**

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Table of Contents

Title	Page Number
NOTICE	2
Table of Contents	3
1. Introduction	5
1.1. Executive Summary	5
1.2. Scope	5
1.3. Benefits	5
1.4. Intended Audience	5
1.5. Areas for Further Investigation or to be Added in Future Versions	5
2. Normative References	5
2.1. SCTE References	5
2.2. Standards from Other Organizations	5
2.3. Published Materials	6
3. Informative References	6
3.1. SCTE References	6
3.2. Standards from Other Organizations	6
3.3. Published Materials	6
4. Compliance Notation	6
5. Abbreviations and Definitions	6
5.1. Abbreviations	6
5.2. Definitions	7
5.3. Regional Area Definitions	7
6. Cable Operator Critical Facility Classification Descriptions	8
6.1 Classification Quick Reference	8
6.2 Classification Requirements to Meet Design Availability	9
6.3 Classification "Simple" Riser Diagram Examples	12
6.3.1 Drawing Element Legend	12
6.3.2 Class A Facility Riser Example	13
6.3.3 Class B Facility Riser Example	14
6.3.4 Class C Facility Riser Example	15
6.3.5 Class D Facility Riser Example	16
6.3.6 Class E Facility Riser Example	17
7. Cable Operator Critical Facility Classification Conclusion	18

List of Figures

Title	Page Number
Figure 1 - Cable Operator Facility Classes and Legacy Terminology	8
Figure 2 - Riser Diagram Element Legend	12
Figure 3 - Class A Facility Riser Diagram	13
Figure 4 - Class B Facility Riser Diagram	14
Figure 5 - Class C Facility Riser Diagram	15
Figure 6 - Class D Facility Riser Diagram	16
Figure 7 - Class E Facility Riser Diagram	17

List of Tables

Title	Page Number
Table 1 - Cable Operator Critical Facility Classifications	9

1. Introduction

1.1. Executive Summary

This document presents a five tier classification approach to provide cable operators with a framework in which to categorize facilities and critical infrastructure, prioritize investment decisions, establish availability expectations, and to define performance levels for the cable industry.

1.2. Scope

This SCTE standard defines classes of critical facilities along with expected performance availability across five classes of structures thus creating a common nomenclature for critical facilities.

1.3. Benefits

A key benefit of this document is the creation of a common framework that can be utilized to benchmark and score an operator's critical facilities. Facility classification allows for prioritization and effective decision making with respect to allocation of capital funds for both new and existing facilities. Finally, the promotion of an increased level of consistency in both the design and performance of an operator's critical facilities are in an effort to improve overall reliability from both an industry and individual cable operator's perspective.

1.4. Intended Audience

The intended audience of this standard includes critical facility designers, operators, and engineers.

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

Energy consumption per the five classification tiers could be examined in a future release.

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

- No normative references are applicable.

2.2. Standards from Other Organizations

- TIA 942: Telecommunications Infrastructure Standard for Data Centers
https://global.ihs.com/search_res.cfm?RID=TIA&org_code=TIA&INPUT_DOC_NUMBER=ANSI/TIA-942
- NFPA 70E: Standard for Electrical Safety in the Workplace
<http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=70e>
- International Building Code:
<http://shop.iccsafe.org/2015-international-building-coder.html>

- National Electric Code (NEC):
<http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=70>

2.3. Published Materials

- No normative references are applicable.

3. Informative References

The following documents might provide valuable information to the reader but are not required when complying with this document.

3.1. SCTE References

- EMS-027: Recommended Practice for Cable Facility Design Process

3.2. Standards from Other Organizations

- No informative references are applicable.

3.3. Published Materials

- No informative references are applicable.

4. Compliance Notation

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5. Abbreviations and Definitions

5.1. Abbreviations

AC	air conditioning
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