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Preface

Revision History

June 18, 2010 First publication of this standard, titled BICSI 002-2010, *Data Center Design and Implementation Best Practices*

March 15, 2011 Revision of BICSI 002-2010 published as ANSI/BICSI 002-2011, *Data Center Design and Implementation Best Practices*

Major revisions include:

- Addition of Section 9, *Electrical*
- Addition of Section 14, *Telecommunications*

Minor revisions include: definitions, updating of graphics for printing and readability, other editorial corrections

December 9, 2014 Revision of ANSI/BICSI 002-2011 published as ANSI/BICSI 002-2014, *Data Center Design and Implementation Best Practices*

Major revisions include:

- Revision of Class F0 – F4 electrical infrastructure, including the removal of the requirement for a second power utility connection in Section 9, *Electrical*.
- Revised telecommunications Availability Classes C3 and C4 concerning the redundancy of main and horizontal distributors in Section 14, *Telecommunications*.
- Added, expanded and revised Availability Class structure to mechanical, telecommunications and network infrastructure (see Sections 9, 14, and 15 respectively).
- Addition of Appendix C, *Alignment of Data Center Services Reliability with Application and System Architecture*.
- Addition and revision of content for modular and containerized data centers in Section 6, *Space Planning* and Section 9, *Electrical*.
- Introduced content on DCIM and renamed Section 13 to *Data Center Management and Building Systems*.
- Expanded content regarding DC power and safety in Section 9, *Electrical*.
- Addition of hot and cold aisle containment in Section 6, *Space Planning* and Section 11, *Fire Protection*.
- Added and expanded content regarding designing for energy efficiency in multiple sections and added Appendix G, *Design for Energy Efficiency*.
- Addition of Appendix D, *Data Center Services Outsourcing Models*.
- Addition of Appendix E, *Multi-Data Center Architecture*.
- Updated cabinet door air flow and cable capacity calculations in Section 14, *Telecommunications*.

Minor revisions include:

- Moved former Section 5, *Space Planning* to directly after former Section 6, *Site Planning*.
- Restructuring of Section 5, *Site Planning*, Section 14, *Telecommunications*, and Section 16, *Commissioning*.
- Expansion of content to reflect both new and international design practices.
- Revisions to Appendix B, *Reliability and Availability*, to accommodate extension of availability classes.

List continues on the next page