

# System Specification & Project Manual: Volume 2: Optimized for Telecom / Networking / Server Rooms

## Abstract

### Scope of this book

This book is a specification for a small IT space with 1-4 racks of server, networking, or telecom equipment. For larger installations, please refer to the APC Press companion book, *System Specification and Project Manual, Volume 1: Optimized for Small and Medium Data Centers*.

### Format of this book

This book is designed for the telecom / networking /IT community. Facilities and trades personnel will notice that the format of this specification deviates from the way construction specifications are usually published, and does not strictly follow CSI division ordering, although all items are numbered according to CSI MasterFormat 2004.

This volume is divided into three main parts, which are the same for all *Standard Specification and Project Manual* volumes in this series:

#### **STANDARD PROCESS** - Overview of a standardized design/build process for IT installations (Section 2)

For a small project such as a telecom, networking, or server room (the subject of this volume) the need for a formalized, standardized process may be minimal or nonexistent. The process section in this volume is, therefore, brief – with reference, if needed, to the more extensive process section in the data center volume, *System Specification and Project Manual, Volume 1: Optimized for Small and Medium Data Centers*, or APC White Paper #140, “Data Center Projects: Standardized Process.”

#### **USER REQUIREMENTS** - Forms for gathering user-specific data for this project (Section 3)

*To be filled out by telecom / networking / IT personnel with project consultant*

The data gathered in this part of the book will be used to generate an appropriate design for the physical system. It also includes a checklist for documenting who will assume the roles and responsibilities for the project’s process.

#### **STANDARD SYSTEM SPECIFICATION** - The common “rules” for building any basic or high performance telecom, networking, or small server room (Sections 4 - 11)

*To be reviewed by telecom / networking / IT and Facilities personnel*

This part of the book provides detailed specifications for outfitting the physical infrastructure of a standardized room. This standard specification uses the 2004 edition MasterFormat CSI numbering.