Structured cabling systems and information transport systems

Cyxtera Technologies, Inc. offers complete design and installation services associated with Structured Cabling Systems (SCS) and Information Transport Systems (ITS).

Cyxtera provides the physical connectivity associated with Carrier Service Delivery (CSD) to a customer cage and also has the ability to offer design and installation services associated with infrastructure builds within the cage environment. These elements are critical when delivering a high-performance, reliable network system infrastructure for any requirement. Our end-to-end design-build services utilize properly trained and certified installers working under the direction of experienced RCDD design teams and project managers.

**CYXTERA’S PROCESS**

The Cyxtera design and implementation teams are involved in every aspect of structured cabling installations. They monitor and manage solution performance and system integrity while adhering to Cyxtera’s standards. The team members hold globally recognized certifications from professional and industry associations such as: the Building Industry Consulting Service International (BICSI), Registered Communications Distribution Designers (RCDD), Certified Installer, Project Management Professional (PMP) and Network Technology Systems (NTS).

The certification process recognizes exceptional individual qualifications and expertise in the design, integration and implementation of telecommunications systems and their related infrastructure components.

**CYXTERA’S FIVE-STEP PROCESS**

- Detailed requirements gathering and sign-off between client and engineering staff
- Documented design program for clear understanding
- Pricing based on project and design scope for accuracy
- Complete solution: engineering and installation
- Documented solution and project sign-off-as-buils and test results

The RCDD certification is obtained by individuals who have proven industry expertise and are actively involved in network infrastructure design and installations. Those certified offer architectural, engineering and design services and manage and perform implementations.

Cyxtera has developed global business standards for our services provided to a wide range of clients:

- Consistent Cyxtera design configurations.
- Well-defined data center installation parameters to enhance on-site aesthetics.
- Establishing data center standards with physical infrastructure manufacturers including component and workmanship warranties.
- National product pricing and stocking levels to enable rapid deployment.
- National standards for uniform labeling, testing and documentation.
The TIA-942 specification references private and public domain data center requirements for applications and procedures such as:

- Network architecture
- Electrical design
- File storage, backup and archiving
- System redundancy
- Network access control and security
- Database management
- Web hosting
- Application hosting
- Content distribution
- Environmental control
- Protection against physical hazards (fire, flood, windstorm)
- Power management

The Cyxtera tiered approach is based on the following performance specifications:

<table>
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<th>Specification</th>
<th>Grade</th>
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**Belden**
**Legrand (Berk-Tek/Ortronics)**
**Cablofil**
**CommScope — Uniprise and Systimax**
**Corning Cable Systems**
**Fluke Networks**
**Fujikura**
**Hilti**
**Hitachi**
**Hubbell**
**Leviton**
**Mohawk**
**Panduit**
**Siemon**
**TYCO/TE**