



HCS Newsletter

No. 74, Dated 16 February 2011

TIA-1179

Healthcare Facility Telecommunications Infrastructure Standard



TIA-1179 specifies requirements for telecommunications infrastructure for healthcare facilities (e.g. hospitals, clinics). It specifies cabling, cabling topologies cabling distances, pathways and spaces (e.g. sizing and location), and ancillary requirements. Telecommunications cabling specified by the new standard is intended to support a wide range of healthcare facilities and systems.

In addition to telecommunication systems, the telecommunications cabling specified is intended to support a wide range of clinical and non-clinical systems (RFID, BAS, nurse call, security, access control, pharmaceutical inventory, etc.), particularly those which utilize or can utilize IP-based infrastructure. With regard to healthcare applications, the new standard recognizes that the meaning of the term "work area" must take on a broader scope as the work area is located in a multitude of application-specific areas and spaces within the healthcare facility. These areas can be divided into the following classifications:

- Patient Services
- Surgery/Procedure/Operating Rooms
- Emergency
- Ambulatory Care
- Women's Health
- Diagnostic and Treatment
- Caregiver
- Service/Support
- Facilities
- Operations
- Critical Care

TIA-1179 does not specify any new types of cables or cabling components.

BACKBONE Recognized cabling includes CAT 3, CAT5e, CAT 6 & CAT6A. CAT5e is recommended as minimum.

In addition, multimode & single mode fibers are recognized. 50/125µ Laser-optimized MM fibers are recommended.

HORIZONTAL Recognized cabling includes CAT 5e, CAT 6 & CAT6A as well as MM and SM fibers.

HCS cables & components are perfectly suitable for installation in any healthcare facility and are in full compliance with all TIA-1179 requirements.

For detailed information on HCS products please browse the [HCS Online Catalog](#) or contact us at [HCS Istanbul](#).

HCS is the No.1 Turkish supplier of high- performance fiber optic and twisted pair LAN Cabling Systems.

HCS – HES Cabling Systems

HQ: Turgut Reis Mah.Barbaros Cad. Giyimkent Kooperatif içi Vadi Bulvarı No:1
34235 Esenler, İstanbul, Turkey.

Phone: +90.212.438.25.75 (pbx) Fax: +90.212.438.25.74.

PLANT: Erciyes Mahallesi Hes Caddesi No:22 38210 Kayseri, Turkey

Phone: +90-352-442 25 40 Fax: +90-352-442 28 00

Connecting Networks