



Commissioning services in general is the integrated process of checking, testing and inspecting all operational components and systems of a project. In other building disciplines this may include the electrical power systems, air conditioning systems and water/waste water systems amongst others.

In the context of communications networks, commissioning also checks, tests and inspects network spaces and pathways, conduit and cabling and all equipment. We check for compliance to specifications and network performance of all operational equipment making up the communications network. The commissioning process has several elements, which, taken together constitute the communications commissioning service.

The commissioning should be considered as **insurance** that the investment in communications infrastructure results in a system that operates as designed. Commissioning costs for communications systems is approximately 10% or less of the overall communications design cost.

#### REVIEW

Review contractor's commissioning documentation – unless otherwise specified, the installation contractor should provide a comprehensive plan to check, test and inspect all components of the communications network. Provision should be made to check a representative number of devices/elements, report on results, identify substandard results and indicate corrective actions as necessary. Verification of equipment type, and performance should be allowed for in the documentation.

#### WITNESS

Witness contractor's commissioning process – acting on behalf of the project owner the commissioning agent should witness all contractor commissioning activities to verify that all required tests and inspections were done, accurately recorded, sub-standard results noted with corrective actions detailed.

#### OPERATIONS & MAINTENANCE

Manuals and procedures should be provided and reviewed with management and operations personnel.

#### TRAINING PROGRAM

The commissioning agent should review training documentation and procedures for all communications related equipment and systems. Further, the agent should witness actual training procedures to assure the project owner that all operators/users of equipment are conversant with the correct use of and maintenance of communications equipment. Dated records of attendees and follow-up dates should also be noted.

#### CERTIFICATION

Certification of installation technicians is required by some manufacturers. The commissioning agent will insure that such accreditation is presented prior to installation of any equipment requiring such certification. The project owner may also require that a training certification has been received by users/operators of equipment.

#### WARRANTY

Warranty information should be provided for all equipment. Included in this information should be manufacturer's contact information, local distributor information and an emergency service contact.

For more information on our commissioning and how Fancom can help with the commissioning of the communications systems of your building project, please call us at **905-990-4845** or send an email to **info@fancomni.com** indicating "commissioning" in the subject line.