

# Telecommunication Building Condition Report

*Helping clients understand, secure and leverage their telecommunication network and infrastructure*

For network and cable plant managers, telecommunication, security, other low-voltage cabling and related infrastructure is a vital asset.

While telecommunication managers recognize the importance of planning for the lifecycle of this infrastructure, that activity must often take a back seat to the day-to-day management of the network.

Yet, without long-term planning, this valuable asset can become a liability. Network failures are often caused by cable plant issues, faulty installations, equipment failures due to over-heating or lack of ventilation, or issues with the network's physical design. It can be easy to lose track of the state of telecommunication assets, network asset utilization, overall infrastructure health, capacity, standards compatibility and other big-picture concerns.

## CABLE PLANT SERVICES

### Did You Know?

*The National Master Specifications utilized for construction engineering projects by PWGSC now includes Division 27 to specifically address Communications. The Attain Group is well versed in writing Division 27 specs.*

### THE SERVICE

The Attain Group **Telecommunication Building Condition Report** (TBCR) is a comprehensive audit that provides a complete cable plant compliance report. The TBCR service includes four phases: a detailed inspection, comprehensive report, recommendations for client review, and the Attain Infrastructure Database.

### Detailed Inspection

The Attain Group's experts perform a detailed inspection to establish the existing conditions of the telecommunication and other cabling infrastructure. All findings are documented using photographs, video and drawings in addition to a comprehensive report. The report compares existing telecommunication conditions to standards and best practices, including Treasury Board of Canada, IEEE, TIA, BICSI and international standards.

### Comprehensive Report

The final report includes a full set of telecommunication drawings and recommendations with respect to:

- Baseline analysis of condition of the current cabling and distribution system
- Analysis of current system capability
- Explanation of current use and maintenance of cabling pathways and spaces
- A detailed deficiency report itemizing work to be carried out
- A "Report Card" for each building inspected, providing a colour-coded (red, yellow, and green) table outlining compliance of each system to the standard baseline system
- Code compliance to relevant telecommunication standards
- Review of carrier points-of-presence and their equipment
- A Carrier Report, detailing services available on a per-carrier basis



### Recommendations & Review

Attain's inspection team will meet with the client to review the TBCR findings and recommendations. Our recommendations will cover these topic areas:

- Telecommunication grounding and bonding
- Labeling
- Life safety
- Health and safety
- Pathways and spaces
- Abandoned cable and equipment

The inspection and report will provide **complete coverage** of the entire telecommunication system, including:

- Telecommunication main entrance room
- Carrier demarcation point of presence (POP)
- Telecommunication rooms and spaces
- Rooftop (antenna) telecommunication equipment
- Telecommunication grounding and bonding system
- Environmental conditions in telecommunication spaces
- Vertical (riser) cabling
- Access, control and security issues
- Telecommunication carriers and management
- Carrier services present in the building

Together, Attain and the client will prioritize the work to be performed.

### Attain Infrastructure Database

All of the information from the inspection and report will be recorded in the Attain Infrastructure Database, providing clients with a permanent record of telecommunication assets. The database is accessible by the client at all times. If the building is part of Attain's

preventative maintenance program (AIM Program), the information will be updated any time there is activity in the building that affects the telecommunication infrastructure.

### THE EXPERTISE

Each TBCR inspection team will include a telecommunication engineering technologist, a telecommunication designer (RCDD &/or P.Eng.) and a real estate professional (RPA). In addition, the inspection team will draw upon the collective wisdom and credentials of Attain's Canada-wide organization.

### YOUR PARTNER IN TELECOMMUNICATION MANAGEMENT

As needed, Attain can also provide:

- Design and implementation of telecommunication and network systems
- Project management and program management services for the tendering, implementation and commissioning of telecommunication, security and audio-visual infrastructure work within your facility
- A multi-year telecommunication infrastructure lifecycle plan with associated tasks
- Ongoing telecommunication infrastructure management, through the Attain Infrastructure Management (AIM) Program

### The Attain Group Credentials

- Professional Engineers across Canada
- Registered Communications Distribution Designers (RCDD)
- Telecom drafting professionals (CADD)
- Certified Electronic Technologists (CET)
- Telecom Business Analysts (TBA)
- Codes Specialists (P.Eng)
- Real estate and property management professionals

### ABOUT THE ATTAIN GROUP

At The Attain Group, we help maximize revenue, mitigate risk, and create operation efficiencies by managing your building's most valuable asset. We provide independent telecommunication engineering and consulting services to both public and private real estate owners, federal government departments, architectural and construction engineering firms, and tenants. Our expertise helps these organizations to better understand, control, and protect their telecommunication assets.

Only The Attain Group specializes in applying its comprehensive telecommunication knowledge to deliver both short-term and long-term strategies for the management of wired and wireless building infrastructure. Our proven process provides the roadmap, the language, and the tools necessary to ensure that telecommunication services are installed and delivered securely, reliably, and cost-effectively with minimal impact to facilities and building design.

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