



PB TELECOM

Define, Design, Deliver

Site Audit and File Audit Services



www.pbtelecom.net

PB TELECOM, INC.





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PB Telecom offers complete services and solutions for wireless communications. Our goal is to provide a level of service unmatched in the industry. We have proven expertise in Site Audit and File Audit services, providing our clients with site data that is vital to network planning and revenue protection.



The rapid growth of new technologies in wireless communications means that effective site management and inventory tracking rely more and more on fast access to reliable information. Whether you are seeking collocation tenants to maximize your return from investment in tower infrastructure, planning the integration of different wireless networks or upgrading your equipment to be ready for WCDMA, you need to know about the capacity, structural integrity and current capabilities of your, or your tenants', cell sites.

PB Telecom has years of experience visiting wireless sites, creating inventories of equipment, measuring towers and examining site documentation. We support New Site Builds, Overlay Projects, Site Modifications, Antenna Change-Outs and Collocation Leases by providing the Wireless Industry with accurate, up-to-date site data.

By using web-based information gathering and distribution (our Integrated Site Information System, or "ISIS") we can make your data available 24-7. You can organize data by market, geographical area, site type, or any way that suits the needs of your project. Reports can be generated whenever you need them. Your site database will be flexible, expandable and reusable, not just for your current project but for future requirements, both planned and unexpected.



Site Audit and File Audit Services

Site Audit Overview

- Visual catalog
 - » Digital photographs of all site components and features
- Electronic Site Inventory
 - » General site conditions
 - » Tower/RF line information
 - » Site plan: outdoor equipment/shelter layout
 - » Radios and associated BTS equipment
 - » Power, batteries, generator
 - » Tower lighting/painting
 - » Site registration: FCC, FAA, ownership signage and documentation
 - » Telco, NIU, data link, microwave
- Electronic Site Inspection and Problem Reporting
 - » Tower structural analysis
 - » Coax and jumpers; grounding system; weatherproofing; tower marking; power
- Central, Searchable Database of all Site Information
 - » Site comparisons based on any selected criteria
 - » Easy and accurate site audit tracking
 - » Organization and planning of upgrades and site modifications

File Audit/Compliance Overview

- File and Leasing Review
 - » Electronic recording of drawings, lease exhibits and zoning/permitting documentation
- Environmental Review
 - » Review existing environmental reports: SEPA, Phase One, NEPA, SHPO
- Zoning/Permitting
 - » Check client files for existing zoning/permitting documentation
 - » Pre-zoning analysis: contact jurisdiction to clarify zoning/permitting process for proposed building/modification
 - » Review submittal documents for accuracy/completion

Reporting and Data Integration

- Combine file data and field data
- Provide online database of information and electronic document files
- Enable online search engine and report creation
- Provide custom reporting/hardcopy reports as requested
 - » Site summaries, existing facility reports, audit checklists, photograph summary, full-size drawings, structural reports



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Integrated Site Information System (ISIS)



ISIS Overview

ISIS allows you to make business decisions and schedule estimates quickly, with the confidence that comes from knowing your site data is accurate, consistent and complete. Developed from the ground up, using the experience gained from our own field work, ISIS is based on the principle of Quality In – Quality Out: the reports you generate are only as accurate and detailed as the original data.

Information Gathering

Auditors use the Automated Site Audit Process (ASAP), consisting of intelligent eForms to gather file- and site-visit data. The eForms direct the user to select from pre-set lists of options derived from field work and analysis of other databases. They may be formatted on any hardware - laptop, notebook, PDA - and are customized to gather the specific data required for each project – ISIS is a modular system.

Database Management

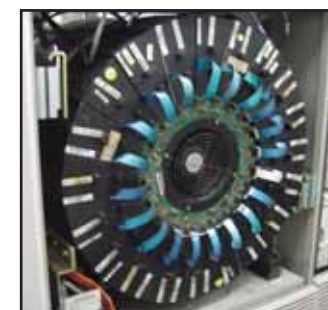
Data from several sources is integrated in the same SQL Server database using a structure that allows complex relationships between multiple components in each site. The system easily accommodates sites with multiple leases, several collocators, and any combination of antenna support structure and equipment location. Accurate, consistent and complete data from the eForms is transferred automatically to the database via a web interface. This enables quicker data transfer and eliminates transcription errors. Data from other sources can be added and integrated as needed. Scanned documents can be linked to individual sites or projects and accessed with a single click.

Reporting

- A secure web interface gives you 24-7 access to up-to-date site information.
- You build the query using selected combination of fields.
- Intuitive web interface, no need to train, no learning curve.
- Get immediate results and examine sophisticated relationships between sites.
- Isolate groups of sites based on common properties.
- Order custom reports as required; no limits on the type of reports; compare one group of sites with another.
- Because the data input is detailed, accurate, consistent and complete, reports are generated with surgical precision.

Standard Reports Include:

- Report Summary
 - » General description of the site; Geographical information; FCC Information; Summary of items requiring repair or maintenance
- Existing Facility Report
 - » Compound Summary; Tower Summary; Equipment Enclosure Summary; Antenna Information; Coax/Waveguide Information; Entry Panel Diagram; Tower Information ; Tower Structure Reference, with sketches; Tower Section Information; Tower Plumb/Sway; Tower Twist; Tower Lighting System; Shelter/Equipment Area Information; Electrical Checklist: AC and DC
- Audit Checklists
 - » Facility Area, Tower Base Shelter; Tower Structure; Guy Anchors/Wires; Antennas and Transmission Lines; Lighting System; Ladders and Platforms; Fall Protection, Climbing Clearances, Warning Signs; Shelter; Compound
- Photograph Summary, Full Size Drawings and Tower Structural Report





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Who We Are

Get Answers to Key Questions

- How much additional capacity do our antenna towers have?
- What equipment do our collocate tenants have? Is it time to renegotiate lease terms?
- What site modifications are required to change-out E911 equipment in Market X?
- Does Site A have enough shelter space to install UMTS?
- We don't need both Site A and Site B. Which should we decommission?
- Even if it costs less to decommission Site A now, would Site B be more expensive to rent over the next ten years?
- Which sites would require AC power upgrades to support MCPAs/high capacity?
- How much would we save by implementing antenna sharing instead of replacing/upgrading towers?



Allow Us to Organize Your Site Data

- Speed, accuracy and consistency.
- Paperwork reduction.
- Faster turnaround time.
- More flexibility.
- Better site comparisons.
- Better project tracking.
- More accurate data gathering.
- Faster processing of site audit data.
- Better quality control.
- Faster improvement of procedures in the field.
- More flexible workflow process.
- Quicker and more accurate production of deliverables.
- Ability to produce range of reports, and change reports as required.



WE AUDIT ANYWHERE...



Peter Bocek, President, is a registered architect with 20 years' professional experience. With a diverse background in commercial and residential projects Peter is now in his fourteenth year of providing A&E services to the Wireless Industry, completing full service and site modifications on over 2000 facilities.

In addition, Peter has been instrumental in improving his clients' technical capabilities, by programming standard procedures for site development and investing in technical development. Peter Bocek brings to the Wireless Industry a wealth of experience and a dedication to providing unequalled service.

Leslie Bradley, Senior Program Manager, is responsible for Real Estate and Audit Services. Managing and coordinating a diverse team of engineers, contractors and auditors, Leslie has developed some of the most comprehensive file audit and site audit procedures in the industry, enabling carriers to make effective business decisions, confident that they have the best available information about their sites.

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