

Community Wi-Fi Networks

Southside Technology Cooperative NFP

Developed By Norman Montgomery · Presented By Pierre Clark



A Project of Southside Technology Cooperative NFP * Chicago Digital Access Alliance * Black
Metropolis CTC

Background



Map 1



Phase I of our Community Wireless Network covers the Red enclosed area of the above Chicago Bronzeville area referred in **Map 35th St Wifi Zone as Areas 1, 2, and 3**, and as seen in **Map 2** where Our Main Wireless Points are indicated by the Green Stars, with other Access Points at Landmarks researched and referenced by the Black Metropolis Convention & Tourism Council indicated by the Orange Stars.



Target



Map 2



Orange Stars - Landmark Sites, Referenced by Black Metropolis Convention & Tourism Council Study
Green Stars - Main Wireless Access Points - Planned

Orange

76 Jordan, J. Building 3529 S STATE ST
83 Overton Hygienic/Douglass National Bank Building
3619 S STATE ST
57 Chicago Bee Building (Chicago Public Library)
3647 S STATE ST

Orange

52 Douglas Tomb State Memorial 636 E 35TH ST
61 Wabash Ave YMCA 3763 S WABASH
63 Griffiths, John W. Mansion 3806 S MICHIGAN
6 South Side Community Arts Center
3831 S MICHIGAN AVE

Orange

58 Chicago Military Academy Bronzeville (Eighth
Regiment Armory) 3519 S GILES AVE
9 Phillips, Wendell High School 244 E PERSHING RD

Orange

82 Victory Sculpture 35TH KING DR
77 Roche, Martin - Tait, John House (Tait-Elston
House) 3614 S KING DR
23 Wells-Barnett, Ida B. House 3624 S KING DR

Orange

52 Douglas Tomb State Memorial 636 E 35TH ST

Green - 3 Vertical Units Lawless Gardens Apartment,
Green (and Orange) Unit East - Hdqtr - BMC&TC, Southside Technology Cooperative
and Landmark - 60 Liberty Life/Supreme Life Insurance Company 3501 S KING DR
Green Unit West - Lake Grove Village Apartments

Method



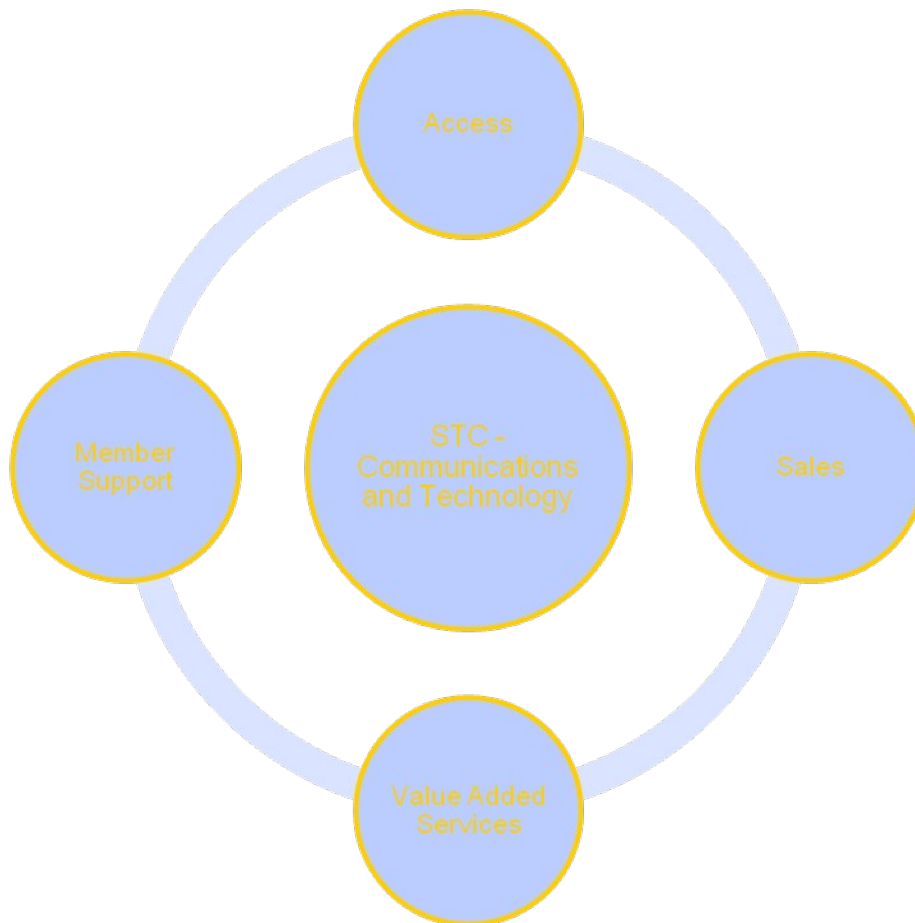
- **Internal Strategy**
- Seed buildings internally through tenant/resident hosting of WAP's.
- Seed tenant/residents with low cost refurbished computers with two added services, a Wi-Fi card and a One Year prepaid connection included in the purchase price.
- Additional services offered involve PDA and Mobile Computers, Online Maps, and Point of Interest offerings and locator data for small businesses.
- **External Strategy**
- 4 hop strategy – no more than 4 hops to any internet access wap.
- Directional line of sight links for extending access to the outer boundaries of wap placement.
- With proper equipment, access traffic is backhauled over a different frequency, and can expand to multiple frequency distribution, enabling public service, common service and backhaul services.
- Power to external mounting is critical to expansion.

Outreach



- Aggregating and Service Branding existing independent Wi-Fi offerings for management , traffic control , and revenue sharing.
- Create a Point on Interest (POI) file representing the Wi-Fi offering and location.
- Enable selected offerings for sale electronically.
- Create open product for hourly, daily, weekly, and monthly access with prepaid accounts.
- Create annual product for sale with selected hardware products (value added offering)
- Create service and support offering through internal market participants and organizational co-branding

Summary



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