

WiFi Technical Briefing: One Zone

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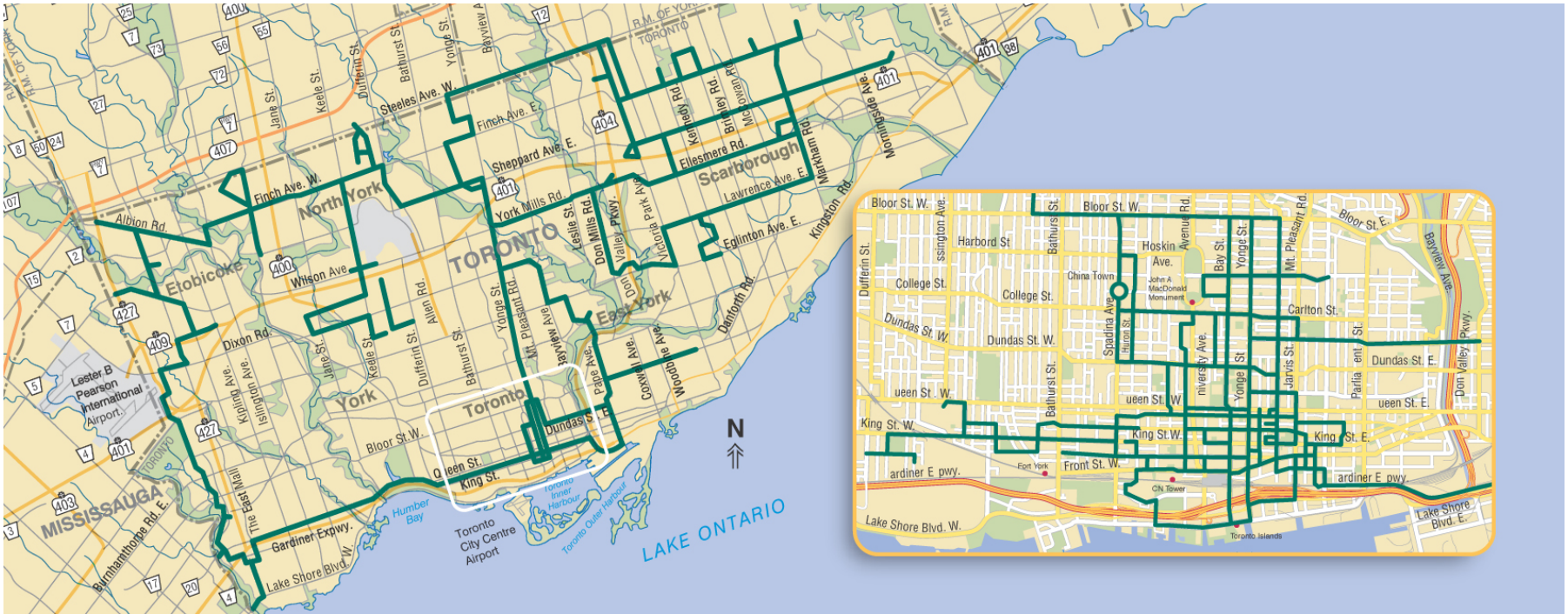
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Today's Session

- Overview of Phase 1 deployment
 - Where are we today?
 - How did we get here?
- Technical presentation: Network architecture and design criteria
- In-depth view: network equipment
- Growth opportunities
- Q&A

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Where we are



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*Official Phase 1 launch will take place on
September 7, 2006*

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Electromagnetic Fields (EMF)

Discussions held in May and early June with City of Toronto Public Health:

- Public Health is satisfied that our WiFi network complies with all pertinent safety guidelines and deems the network 'low risk'
- Complies with Health Canada Safety Code 6 and Industry Canada RSS-102
- Engineering team is committed to 'precautionary principle'.
- Network exceeds Toronto Public Health's recommendations for 100 x the distance factor required under Health Canada's Safety Code 6.

PHIL VLACH

Technical Lead, Toronto Hydro Telecom

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Radio Network: Constraints

Real Estate

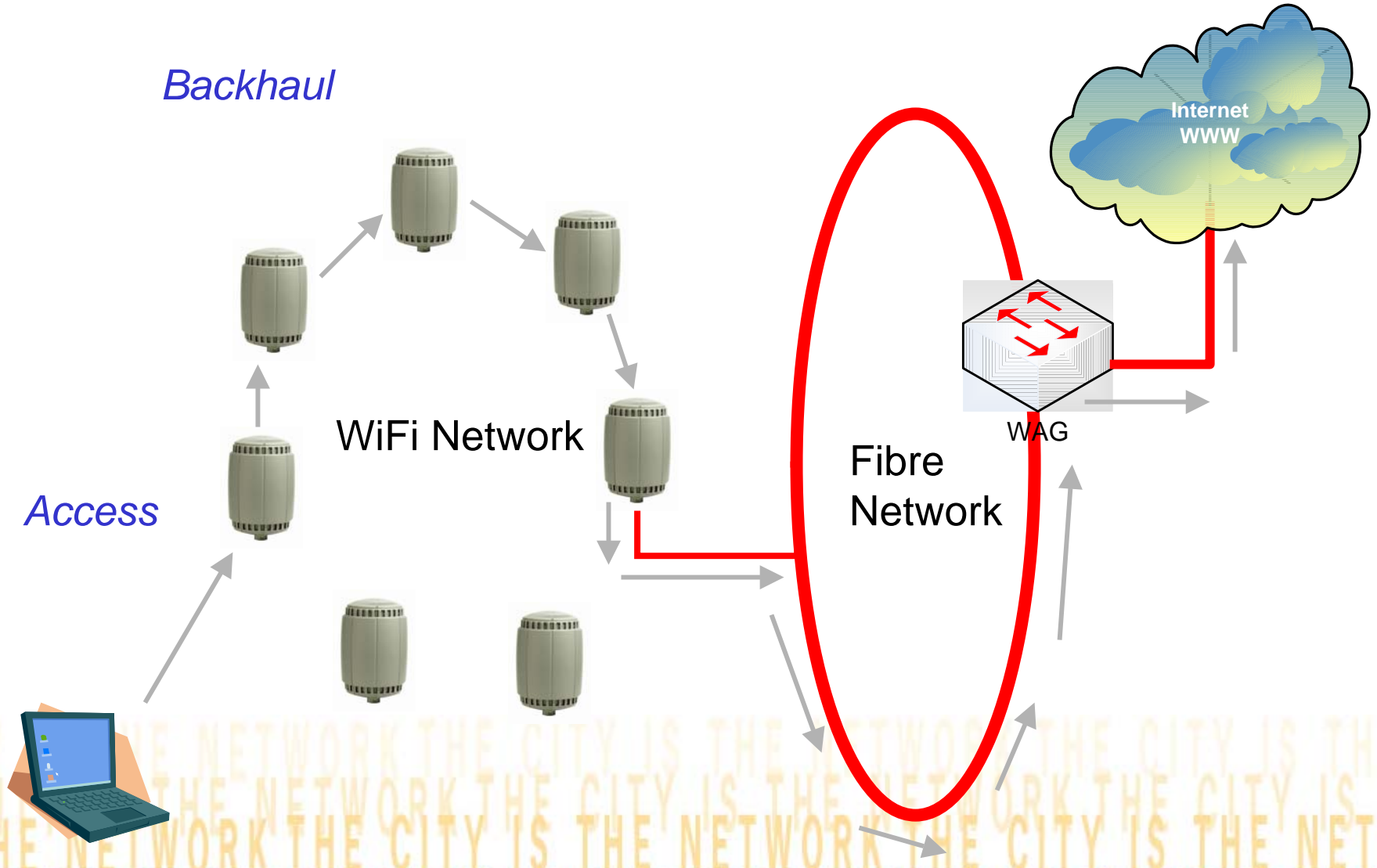
- Pole availability & suitability
- Multiple pole types
- Not all poles have 24hr power
- Grounding requirements - ESA
- Certain areas have heavy foliage

Fibre Connections

- Right number to ensure reliability
- Duct availability
- Permitting required = time
- Cost



How will One Zone work?



RON MANSI

Business Development, Siemens Canada Limited

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WIP & WAG Functionality

Integration



...for seamless integration of WiFi technology into an existing IT backend infrastructure.

Roaming



...for users of foreign operators by all important roaming standards.

Accounting



...for users of WiFi that are not provisioned by the existing infrastructure.

Mobility



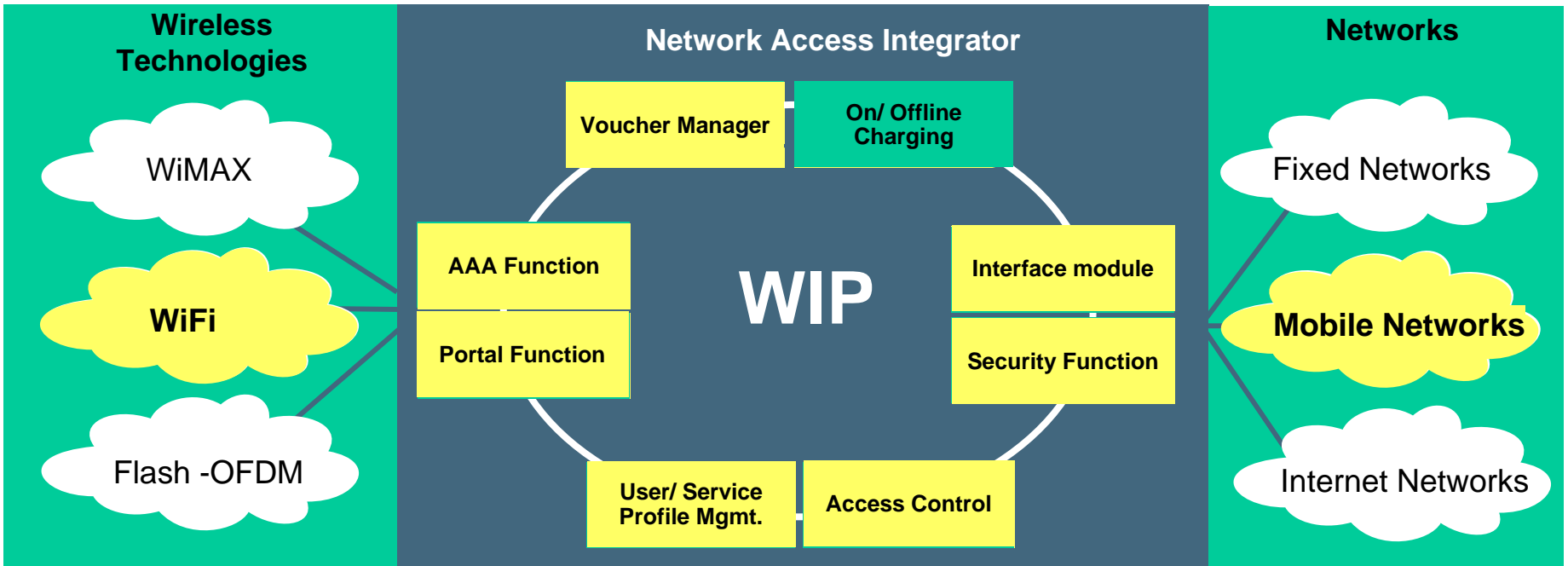
...for users of Fixed Network Operators that are able to use WiFi in a nomadic manner.



SIEMENS
Wireless
Integration
@vantage



<ul style="list-style-type: none"> WISP THTI FNO 	<ul style="list-style-type: none"> Subscription Credit Card Voucher SIM card SMS PIN 	<p>Please, enter your Mobile Number:</p> <div style="border: 1px solid #ccc; padding: 5px; text-align: center;">416 258 3419</div>	<p><i>Welcome!</i></p> <p>Your access is granted for 3 hours.</p>
<ul style="list-style-type: none"> one hour 3 hours 24 hours 	<p>Enter Access PIN Code:</p> <div style="border: 1px solid #ccc; padding: 5px; text-align: center;">1234</div>		





ONE ZONE LOGIN

username:

password:

HOME | SMS LOGIN | FREE PAGES | HELP |

Welcome to ONE ZONE WiFi

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We are very proud to announce our launch of ONE ZONE; a blanket of WiFi coverage in the downtown Toronto core, giving Toronto the largest ubiquitous WiFi coverage zone in Canada.

Are you a new user?
In order to access the system you will be required to use a username and password. To receive your username and password, please follow the steps below.

1. To access the WiFi network you will require an SMS enabled mobile phone.

Q & A

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