

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Monday, January 12, 2015 12:29 PM EST

To: Lt. John Hamelburg <Lt. John Hamelburg <johnhamelburg@randolphmapolice.com>>; PD Kenny Bruker <PD Kenny Bruker <Kbruker@hotmail.com>>; Patrick Johnston <Patrick Johnston <Patrick.Johnston@ci.everett.ma.us>>; Parsons, Timothy (TParsons@yarmouth.ma.us); swilder@brooklinema.gov; PMonziona@chelseama.gov; jpepjonovich@quincyma.gov; Michael Kane (michael.kane@boston.gov) < Michael Kane (michael.kane@boston.gov) <michael.kane@boston.gov>>; Shawn Romanoski (shawn.romanoski@pd.boston.gov) < Shawn Romanoski (shawn.romanoski@pd.boston.gov) <shawn.romanoski@pd.boston.gov>>; rankenbauer@police.somerville.ma.us; Rob Mallett (rmallett@townofmilton.org) < 'Rob Mallett (rmallett@townofmilton.org)' <rmallett@townofmilton.org>>; AAlpert@chelseama.gov; Ford Lt Steven (sford@reverepolice.org) < 'Ford Lt Steven (sford@reverepolice.org)' <sford@reverepolice.org>>; Corson, Ken (corsonk@hingham-ma.gov); Chad Hunter <Chad Hunter <CHunter@townhall.plymouth.ma.us>>; CataldoH.bpd@cityofboston.gov; Elizabeth Campbell (elizabeth.campbell@pd.boston.gov) < 'Elizabeth Campbell (elizabeth.campbell@pd.boston.gov)' <elizabeth.campbell@pd.boston.gov>>; Eliopoulos, Tony; Timothy Fitzgerald (Timothy.Fitzgerald@pd.boston.gov) < 'Timothy Fitzgerald (Timothy.Fitzgerald@pd.boston.gov)' <Timothy.Fitzgerald@pd.boston.gov>>; Dave Wahlgren <Dave Wahlgren <dave@cunninghampark.org>>; Deirdre.Habershaw@cityofboston.gov; epd.marine@comcast.net; Flynn, John. (FlynnJo.bpd@cityofboston.gov); Hogardt, Matthew; Joseph Dahlbeck (joseph.dahlbeck@pd.boston.gov) < Joseph Dahlbeck (joseph.dahlbeck@pd.boston.gov) <joseph.dahlbeck@pd.boston.gov>>; Jake Emerson (jakeemerson@duxburyharbormaster.org) < Jake Emerson (jakeemerson@duxburyharbormaster.org) <jakeemerson@duxburyharbormaster.org>>; jpepjonovich@quincyma.gov; Marshall, Jason; SuretteJ.BPD@cityofboston.gov; rwells@mpdmilton.org; rtuell@haverhillpolice.com; ruggiero@plymouthpolice.com; Parsons, Timothy (TParsons@yarmouth.ma.us); tdelehanty@town.winthrop.ma.us; vetrenokg@state.gov

CC: Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>

Subject: Dvtel Seminar

Happy New Year all....!

We are putting on a technology seminar at the Hilton Garden Inn in Waltham on January 20th.

Follow the link below to go to our invite and registration page. I've also included a copy of the invite page further below.

Our CTO Ed Thompson will be speaking about Ultra High Definition (4K) camera technology and we will also be speaking about video analytics technologies.

It would be great if you could attend as it's a good opportunity to see and learn about these latest technologies. We'll have breakfast and lunch at the seminar.

It's an open educational environment and it would be great if we could invite some of our current end users and other potential new customer friends to the seminar. They can earn BICSI credit too. Please share with them the invite below. We'd love to have them attend.

<http://us8.campaign-archive1.com/?u=65ad4d37a1dd4d1c2318924f4&id=3ef4fa609a>



Eric Johnson

Project Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Cell: 617-413-2148

Phone: 781.352.4656

Fax: 781.551.8667

ejohnson@lan-tel.com

www.lan-tel.com

From: Michael Kane <michael.kane@boston.gov>

Sent: Friday, January 16, 2015 9:48 AM EST

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Murphy, Andrew; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: MK: CIMS GAP PHASE I Recommendations CITY OF QUINCY CIMS REQUIREMENTS

Attachment(s): "Quincy PTZ Four Camera Reinstallation July 2014.pdf", "Network Switches Quincy PD CIMS System 2014.pdf", "CIMS Enhancement FIBER Quincy.pdf"

Eric,

Can I get a refreshed quote to do all this work requested with the ? I was wondering is this something you can handle in the winter.

We can discuss in detail on Tuesday.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Friday, January 16, 2015 9:54 AM EST

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Murphy, Andrew; Chuck Wade <Chuck@Interisle.net>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: Re: MK: CIMS GAP PHASE I Recommendations CITY OF QUINCY CIMS REQUIREMENTS

I certainly will and we have no problem installing this regardless of the weather .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com

www.lan-tel.com

On Jan 16, 2015, at 9:48 AM, "Michael Kane" <michael.kane@boston.gov> wrote:

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Mike

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Michael Kane

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michael.kane@boston.gov

<Quincy PTZ Four Camera Reinstallation July 2014.pdf>

<Network Switches Quincy PD CIMS System 2014.pdf>

<CIMS Enhancement FIBER Quincy.pdf>

From: Michael Kane <michael.kane@boston.gov>

Sent: Friday, January 16, 2015 10:07 AM EST

To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

Subject: Re: MK: CIMS GAP PHASE I Recommendations CITY OF QUINCY CIMS REQUIREMENTS

Great can you help me bang through the EHPS to get this funded next week. I got the pics already.

On Fri, Jan 16, 2015 at 9:54 AM, Eric Johnson<ejohnson@lan-tel.com> wrote:

I certainly will and we have no problem installing this regardless of the weather .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
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<Quincy PTZ Four Camera Reinstallation July 2014.pdf>

<Network Switches Quincy PD CIMS System 2014.pdf>

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michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, January 20, 2015 12:52 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Re: MK: I had to head out at 1pm can you talk on Thursday?

Absolutely I will clear schedule .. I will tell you right now that I can replace all cameras , antennas and increase server capacity for all towns except Boston for \$ 596, 812 .

Respectfully ,

Eric Johnson
Project Manager
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Phone: 781- 352-2427
Fax: 781-551-8667

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On Jan 20, 2015, at 12:42 PM, "Michael Kane" <michael.kane@boston.gov> wrote:

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Tuesday, January 20, 2015 5:36 PM EST

To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>

CC: Mike Kane <Mike Kane <michael.kane@boston.gov>>

Subject: RE: ShotSpotter Camera Integration

Attachment(s): "Notification API Reference^ShotSpotter Notification API Version 2.6.pdf"

Hi Andrew et al,

Here are few things that I would like to know to start the integration process with the camera system for the 5 cities.

1. As per the previous integration for Shotspotter Boston coverage area, I believe we will be using socket connection for these 5 cities also. Let me know if there is a change in the channel type.
2. What packet type? *Please refer to the attached API document for details on the different packet type and the information provided.*
3. I will need public IP address for the end server for the 5 cities with the port no.
4. On the server end you need to provision your firewall to allow 107.0.144.107 port 443 and 80 and create a route for the data to reach the camera server.
5. Initially allow ICMP (ping) to test the server reachability.

Thanks,

Nikhil Mehta

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Tuesday, January 20, 2015 1:42 PM

To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade

Cc: Mike Kane

Subject: ShotSpotter Camera Integration

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

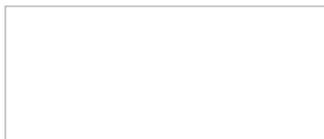
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, January 20, 2015 5:46 PM EST
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvteel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Mike Kane <Mike Kane <michael.kane@boston.gov>>
Subject: Re: ShotSpotter Camera Integration

Received

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
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Phone: 781- 352-2427
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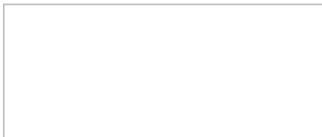
On Jan 20, 2015, at 4:42 PM, "Andrew Murphy" <andrew.murphy@boston.gov> wrote:

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

Andrew

Andrew Murphy
Regional Planner

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Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, January 20, 2015 5:48 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Mike Kane <Mike Kane <michael.kane@boston.gov>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>
Subject: Re: ShotSpotter Camera Integration

I just wanted to include Eric Nisbet and Mike French from Lan - Tel on this and future emails.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
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Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Jan 20, 2015, at 5:36 PM, "Nikhil Mehta" <nmehta@shotspotter.com> wrote:

Hi Andrew et al,

Here are few things that I would like to know to start the integration process with the camera system for the 5 cities.

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Thanks,
Nikhil Mehta

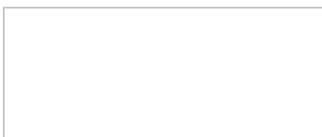
From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, January 20, 2015 1:42 PM
To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade
Cc: Mike Kane
Subject: ShotSpotter Camera Integration

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

Andrew

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Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



<Notification API Reference^ShotSpotter Notification API Version 2.6.pdf>

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, January 20, 2015 10:48 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>
CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Michael Kane <Michael Kane <Michael.Kane@Boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@DVTEL.com>>; Michael French <Michael French <MFrench@LAN-TEL.com>>
Subject: Re: ShotSpotter Camera Integration
Attachment(s): "smime.p7s"

Nikhil, Eric, Eric,

Some items that would be helpful to me would be to plan out some of the logistics for the near term. Some specifics:

- Can we select one initial municipal video system to start with? I believe Chelsea would be a good choice.
- Do we have a sense for when we could realistically start testing? This probably depends on above choice of initial system for testing.
- Can we get a copy of the "Notification Engine User's Manual"? It appears that it may fill in some gaps from the API document already provided.
- As I recall, we discussed a proposal to establish an IPsec tunnel from a PSnet firewall to the ShotSpotter service (terminating on a Juniper SRX series firewall). Assuming this is still the plan, then I believe we will not need to associate public IP addresses with the video servers. Depending on the NAT games we decide to play, we should be able to map the ShotSpotter service to a single virtual subnet containing all the video servers on the PSnet end. This should make things easier.
- For planning purposes, it would help to get a sense for the average and burst traffic characteristics for the ShotSpotter service. I assume that the actual bandwidth requirements are modest, but if there are any response time concerns with bursts of activity, it would be nice to know what to expect.
- We will provide at least one public IP address for the IPsec tunnel termination on PSnet. We will also provide a domain name mapping to this IP address. I do want to note that I hope we will be upgrading our Internet services later this year, and this will result in a change to the public IP address we use.
- We can also provide a backup public IP address that will get to a mirrored firewall configuration at a second site. Let me know what issues need to be addressed to take advantage of this. I view this as a secondary concern at this time, but perhaps something to build into our planning.
- Aside from port 443 and 80, what other ports/protocols will be needed. You mention ICMP echo (ping), but we probably want to support some additional ICMP exchanges for detecting and reporting network issues. Will you be using any watchdog timers or keep alive messages designed to confirm connectivity and keep the sessions "hot"?

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 1/20/15 5:36 PM, Nikhil Mehta wrote:

Hi Andrew et al,

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1. As per the previous integration for Shotspotter Boston coverage area, I believe we will be using socket connection for these 5 cities also. Let me know if there is a change in the channel type.
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5. Initially allow ICMP (ping) to test the server reachability.

Thanks,
Nikhil Mehta

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, January 20, 2015 1:42 PM
To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade
Cc: Mike Kane
Subject: ShotSpotter Camera Integration

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Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

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From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Wednesday, January 21, 2015 3:43 PM EST

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Eric Johnson < Eric Johnson <EJohnson@LAN-TEL.com>>

CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Michael Kane <Michael Kane <Michael.Kane@Boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@DVTEL.com>>; Michael French < Michael French <MFrench@LAN-TEL.com>>

Subject: RE: ShotSpotter Camera Integration

Hi Chuck

[Read Inline for my comments/answers](#)

Thanks,
Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]

Sent: Tuesday, January 20, 2015 7:49 PM

To: Nikhil Mehta; Eric Nisbet; Eric Johnson

Cc: Andrew Murphy; Michael Kane; Mike Driscoll; Michael French

Subject: Re: ShotSpotter Camera Integration

Nikhil, Eric, Eric,

Some items that would be helpful to me would be to plan out some of the logistics for the near term. Some specifics:

- Can we select one initial municipal video system to start with? I believe Chelsea would be a good choice.

[Nikhil] Any of the 5 coverage area is fine with us.

- Do we have a sense for when we could realistically start testing? This probably depends on above choice of initial system for testing.

[Nikhil] Once I get the details for the server IP and packet Type, we can do the connectivity test. I can get the Notification provisioned and simulate few test incidents.

- Can we get a copy of the "Notification Engine User's Manual"? It appears that it may fill in some gaps from the API document already provided.

[Nikhil] The Notification Engine will be running on our hosted server, all provisioning will be done by the Shotspotter. API documents explains all the packet types that are supported for the camera vendor.

- As I recall, we discussed a proposal to establish an IPsec tunnel from a PSnet firewall to the ShotSpotter service (terminating on a Juniper SRX series firewall). Assuming this is still the plan, then I believe we will not need to associate public IP addresses with the video servers. Depending on the NAT games we decide to play, we should be able to map the ShotSpotter service to a single virtual subnet containing all the video servers on the PSnet end. This should make things easier.

[Nikhil] We can setup a VPN, will there be 5 endpoints?

- For planning purposes, it would help to get a sense for the average and burst traffic characteristics for the ShotSpotter service. I assume that the actual bandwidth requirements are modest, but if there are any response time concerns with bursts of activity, it would be nice to know what to expect.

[Nikhil] These are small xml packets that are sent only when an gunshot incident is published. So, low bandwidth and no burst traffic

- We will provide at least one public IP address for the IPsec tunnel termination on PSnet. We will also provide a domain name mapping to this IP address. I do want to note that I hope we will be upgrading our Internet services later this year, and this will result in a change to the public IP address we use.

[Nikhil] You have to provide us with the new IP addresses and we've to do work on the VPN setup again. As we'll not have any visibility on the timeline of these changes so someone from your side need to communicate to Shotspotter support when this happens. You can send an email to support@shotspotter.com with the details of the changes.

- We can also provide a backup public IP address that will get to a mirrored firewall configuration at a second site. Let me know what issues need to be addressed to take advantage of this. I view this as a secondary concern at this time, but perhaps something to build into our planning.

[Nikhil] We can setup a call to discuss the network/VPN details.

- Aside from port 443 and 80, what other ports/protocols will be needed. You mention ICMP echo (ping), but we probably want to support some additional ICMP exchanges for detecting and reporting network issues. Will you be using any watchdog timers or keep alive messages designed to confirm connectivity and keep the sessions "hot"?

[Nikhil] We can discuss details in the network/vpn setup call

...Chuck

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On 1/20/15 5:36 PM, Nikhil Mehta wrote:

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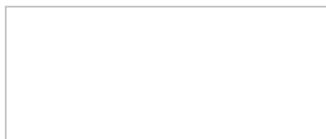
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CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvitel.com>>; Michael French <Michael French <MFrench@lan-tel.com>>

Subject: Re: ShotSpotter Camera Integration

Nikhil, just so you know, we are only working on 4 coverage areas: Chelsea, Everett, Revere, and Somerville. Cambridge is not part of this integration. Thanks.

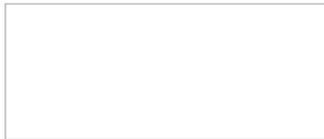
Andrew Murphy

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Wed, Jan 21, 2015 at 3:43 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

Hi Chuck

Read Inline for my comments/answers

Thanks,

Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]

Sent: Tuesday, January 20, 2015 7:49 PM

To: Nikhil Mehta; Eric Nisbet; Eric Johnson

Cc: Andrew Murphy; Michael Kane; Mike Driscoll; Michael French

Subject: Re: ShotSpotter Camera Integration

Nikhil, Eric, Eric,

Some items that would be helpful to me would be to plan out some of the logistics for the near term. Some specifics:

- Can we select one initial municipal video system to start with? I believe Chelsea would be a good choice.

[Nikhil] Any of the 5 coverage area is fine with us.

- Do we have a sense for when we could realistically start testing? This probably depends on above choice of initial system for testing.

[Nikhil] Once I get the details for the server IP and packet Type, we can do the connectivity test. I can get the Notification provisioned and simulate few test incidents.

- Can we get a copy of the "Notification Engine User's Manual"? It appears that it may fill in some gaps from the API document already provided.

[Nikhil] The Notification Engine will be running on our hosted server, all provisioning will be done by the Shotspotter. API documents explains all the packet types that are supported for the camera vendor.

- As I recall, we discussed a proposal to establish an IPsec tunnel from a PSnet firewall to the ShotSpotter service (terminating on a Juniper SRX series firewall). Assuming this is still the plan, then I believe we will not need to associate public IP addresses with the video servers. Depending on the NAT games we decide to play, we should be able to map the

ShotSpotter service to a single virtual subnet containing all the video servers on the PSnet end. This should make things easier.

[Nikhil] We can setup a VPN, will there be 5 endpoints?

- For planning purposes, it would help to get a sense for the average and burst traffic characteristics for the ShotSpotter service. I assume that the actual bandwidth requirements are modest, but if there are any response time concerns with bursts of activity, it would be nice to know what to expect.

[Nikhil] These are small xml packets that are sent only when an gunshot incident is published. So, low bandwidth and no burst traffic

- We will provide at least one public IP address for the IPsec tunnel termination on PSnet. We will also provide a domain name mapping to this IP address. I do want to note that I hope we will be upgrading our Internet services later this year, and this will result in a change to the public IP address we use.

[Nikhil] You have to provide us with the new IP addresses and we've to do work on the VPN setup again. As we'll not have any visibility on the timeline of these changes so someone from your side need to communicate to Shotspotter support when this happens. You can send an email to support@shotspotter.com with the details of the changes.

- We can also provide a backup public IP address that will get to a mirrored firewall configuration at a second site. Let me know what issues need to be addressed to take advantage of this. I view this as a secondary concern at this time, but perhaps something to build into our planning.

[Nikhil] We can setup a call to discuss the network/VPN details.

- Aside from port 443 and 80, what other ports/protocols will be needed. You mention ICMP echo (ping), but we probably want to support some additional ICMP exchanges for detecting and reporting network issues. Will you be using any watchdog timers or keep alive messages designed to confirm connectivity and keep the sessions "hot"?

[Nikhil] We can discuss details in the network/vpn setup call

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

On 1/20/15 5:36 PM, Nikhil Mehta wrote:

Hi Andrew et al,

Here are few things that I would like to know to start the integration process with the camera system for the 5 cities.

1. As per the previous integration for Shotspotter Boston coverage area, I believe we will be using socket connection for these 5 cities also. Let me know if there is a change in the channel type.
2. What packet type? *Please refer to the attached API document for details on the different packet type and the information provided.*
3. I will need public IP address for the end server for the 5 cities with the port no.
4. On the server end you need to provision your firewall to allow 107.0.144.107 port 443 and 80 and create a route for the data to reach the camera server.
5. Initially allow ICMP (ping) to test the server reachability.

Thanks,

Nikhil Mehta

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, January 20, 2015 1:42 PM
To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade
Cc: Mike Kane

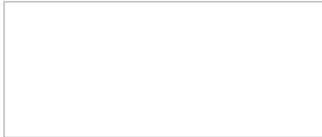
Subject: ShotSpotter Camera Integration

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, January 21, 2015 5:56 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: thursday

I am in Southie all day tomorrow til 3 . i have furn numbers for you . It will include all cameras / antennas and servers . 423 W Broadway on top of CVS .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, January 23, 2015 8:10 AM EST
To: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; brenda.jones <brenda.jones <brenda.jones@boston.gov>>
Subject: MK: Quincy Cims FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

Fyi

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

Begin forwarded message:

From: "LT Robert Gillan" <rgillan@quincyma.gov>
Date: January 22, 2015 at 9:38:34 PM EST
To: "Michael Kane" <michael.kane@boston.gov>
Subject: FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

Hi Mike

Hope your training is going well

As discussed getting fiber to the Quincy Maritime Center 137 Bayview Ave is our number one priority and I would like to make sure this is reflected in all documentation with the company that did the study and any possible vendors.

In addition we really need this project completed prior to the Maritime Exercise slated for 1-2 May.

Any assistance would be greatly appreciated.
Many Thanks

Bob

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, January 23, 2015 10:50 AM EST
To: Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: MK: Quincy Cims FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

Will do sir we are trying to get this work kicked off in Feb. I believe we have a contract vehicle and have a call to discuss today at 1pm. I am going to recommend start with Quincy. I understand the urgency sir.

Thanks,

Mike

Michael Kane
Regional Planner
City of Boston

From: "LT Robert Gillan" <rgillan@quincyma.gov>
Date: January 22, 2015 at 9:38:34 PM EST
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In addition we really need this project completed prior to the Maritime Exercise slated for 1-2 May.

Any assistance would be greatly appreciated.
Many Thanks

Bob

From: LT Robert Gillan <rgillan@quincyma.gov>
Sent: Friday, January 23, 2015 11:19 AM EST
To: Michael Kane <'Michael Kane' <michael.kane@boston.gov>>
CC: Eric Johnson <'Eric Johnson' <ejohnson@lan-tel.com>>; Deirdre Habershaw <'Deirdre Habershaw' <deirdre.habershaw@boston.gov>>
Subject: RE: Quincy Cims FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

Thanks Mike

Please keep me updated but I need to stress with the vendor the work at the Maritime Center Fiber needs to come first.

Again many Thanks

Bob

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Friday, January 23, 2015 10:50 AM
To: Robert Gillan
Cc: Eric Johnson; Deirdre Habershaw
Subject: MK: Quincy Cims FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

Will do sir we are trying to get this work kicked off in Feb. I believe we have a contract vehicle and have a call to discuss today at 1pm. I am going to recommend start with Quincy. I understand the urgency sir.

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Mike

Michael Kane
Regional Planner
City of Boston

From: "LT Robert Gillan" <rgillan@quincyma.gov>
Date: January 22, 2015 at 9:38:34 PM EST
To: "Michael Kane" <michael.kane@boston.gov>
Subject: FIBER PRIORITIES FOR QUINCY (QUINC MARITIME CENTER)

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In addition we really need this project completed prior to the Maritime Exercise slated for 1-2 May.

Any assistance would be greatly appreciated.
Many Thanks

Bob

From: Michael Kane <michael.kane@boston.gov>

Sent: Friday, January 23, 2015 1:51 PM EST

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>; Ann Barry <Ann Barry <abarry@rossbar.com>>

Subject: MK: CIMS Upgrade Discussion

Eric,

Can you touch base with Chuck and Chief Reardon to share the complete proposal inclusive of the Boston microwave work (16K). If you can do this by Tuesday or Wednesday it would be appreciated.

I also stressed the need for upgrading of the network switching where necessary.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, January 23, 2015 2:13 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>; Ann Barry <Ann Barry <abarry@rossbar.com>>
Subject: Re: MK: CIMS Upgrade Discussion

Will do

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Jan 23, 2015, at 1:51 PM, "Michael Kane" <michael.kane@boston.gov> wrote:

Eric,

Can you touch base with Chuck and Chief Reardon to share the complete proposal inclusive of the Boston microwave work (16K). If you can do this by Tuesday or Wednesday it would be appreciated.

I also stressed the need for upgrading of the network switching where necessary.

Mike

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Michael Kane
Regional Planner
Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-4323 | Cell: 617-895-7215
michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Friday, January 23, 2015 4:07 PM EST

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: MK: EHP Sample

Attachment(s): "Lesley Univ. EHP microwave radio EHP SAMPLE.docx"

Chuck and Eric,

Here is a sample of of the documentation that we need sent to the state if we add a new site.

If we are adding new sites please let me know so we can update DHS appropriately typically takes 5-10 minutes to fill out.

Please let me know where we will need to do this I think only the 4 sites in Quincy and possibly Chelsea.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, January 23, 2015 4:42 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Fwd: Moving forward on fiber connection to Police Marina (Harbormaster)
Attachment(s): "smime.p7s"

FYI...just keeping you in the loop

----- Forwarded message -----

From: **Chuck Wade** <Chuck@interisle.net>

Date: Fri, Jan 23, 2015 at 4:39 PM

Subject: Moving forward on fiber connection to Police Marina (Harbormaster)

To: Joe Pepjonovich <JPepjonovich@quincyma.gov>, Robert Gillan <RGillan@quincyma.gov>

Cc: Michael Kane <Michael.Kane@boston.gov>, Deirdre Habershaw <Deirdre.Habershaw@boston.gov>

Joe, Robert,

I spoke with Michael Kane regarding best ways to move forward with this fiber deployment in Quincy. It seems that the most expedient path will be for Interisle to run this project through our existing contract with the Boston (OEM), as we did recently for the Comm-Tract fiber extension in Revere. I have started the process of reaching out to Comm-Tract, and I will keep everyone posted on the progress. I will also assist OEM with any input they need for the paperwork they will need to file. My current expectation is that we can move briskly on this.

If you have any questions or issues you'd like us to address, please let me know...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, January 23, 2015 4:44 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Re: Moving forward on fiber connection to Police Marina (Harbormaster)

thanks

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Jan 23, 2015, at 4:42 PM, "Michael Kane" <michael.kane@boston.gov> wrote:

FYI...just keeping you in the loop

----- Forwarded message -----

From: **Chuck Wade** <Chuck@interisle.net>

Date: Fri, Jan 23, 2015 at 4:39 PM

Subject: Moving forward on fiber connection to Police Marina (Harbormaster)

To: Joe Pepjonovich <JPepjonovich@quincyma.gov>, Robert Gillan <RGillan@quincyma.gov>

Cc: Michael Kane <Michael.Kane@boston.gov>, Deirdre Habershaw <Deirdre.Habershaw@boston.gov>

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[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

--

Michael Kane

Regional Planner

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Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)

michael.kane@boston.gov

<smime.p7s>

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, January 23, 2015 4:46 PM EST
To: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: Fwd: Everett Recommendations

Everett all set

see below.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: Patrick Johnston <Patrick.Johnston@cityofeverett.org>
Date: January 23, 2015, 4:14:06 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: RE: Everett Recommendations

Only one change...make Glendale Sq 3 fixed like Everett Sq. ...otherwise all good.

Officer Patrick Johnston
Everett Police Department
Homeland Security-Special Projects
617-394-2462 (office)
617-905-3747 (cell)

CONFIDENTIALITY/SENSITIVITY NOTICE:

This message is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is law enforcement sensitive, proprietary, privileged, confidential and may be legally protected or otherwise exempt from disclosure. If you are not the intended recipient, you are hereby notified that any disclosure, dissemination, copying or distribution of this transmission is strictly prohibited. If you have received this message in error, please notify the sender immediately by email and immediately delete this message and all of its attachments.

From: Eric Johnson [<mailto:ejohnson@Lan-Tel.com>]
Sent: Friday, January 23, 2015 4:01 PM
To: Patrick Johnston; Patrick Johnston
Subject: Fw: Everett Recommendations

From: Eric Johnson
Sent: Friday, January 23, 2015 4:00 PM
To: 'epd.marine@comcast.net'
Subject: Everett Recommendations

Pat here is the sheet with notes. Remember all existing CIMS sites are getting new antennas .

From: Chuck Wade <Chuck@Interisle.net>

Sent: Friday, January 23, 2015 4:53 PM EST

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: Re: MK: EHP Sample

Attachment(s): "smime.p7s"

Mike,

Thanks for providing this sample EHP. This site is one that I'm all too familiar with. It is turning out to be almost as much of a challenge as the Broadway Tower site in Revere, though all the problems have been bureaucratic in nature and not technical.

Have a nice weekend...

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 1/23/15 4:07 PM, Michael Kane wrote:

Chuck and Eric,

Here is a sample of of the documentation that we need sent to the state if we add a new site.

If we are adding new sites please let me know so we can update DHS appropriately typically takes 5-10 minutes to fill out.

Please let me know where we will need to do this I think only the 4 sites in Quincy and possibly Chelsea.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>

Sent: Monday, January 26, 2015 11:59 AM EST

To: michael.kane@boston.gov

CC: Deirdre Habershaw (deirdre.habershaw@boston.gov) <Deirdre.Habershaw (deirdre.habershaw@boston.gov) <deirdre.habershaw@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: December 2014 CIMS Billing

Attachment(s): "LAN-TEL Invoice 9913320.pdf", "December 2014 Work Ticket Copies.pdf", "December 2014 Billing.xls"

Hi Mike,

Here is the invoice and backup for CIMS work done in December. Please feel free to reach out with any questions. Have a great day!

Thanks,
Vickie



Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: 781.352.4637

Fax: 781.551.8667

vbaldaschi@lan-tel.com

www.lan-tel.com

From: Deirdre Habershaw <deirdre.habershaw@boston.gov>
Sent: Monday, January 26, 2015 12:42 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Somerville

Hi Eric,

I will not be able to make this due to the impending weather. Please let me know if Pam reschedules.

On Fri, Jan 23, 2015 at 2:12 PM, Eric Johnson<ejohnson@lan-tel.com> wrote:

Deirdre

Somerville all set . Changing two sites to fixed . All else PTZ.

Confirmed Pam for Tuesday 945

Waiting for Pat J.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781- 352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

--

Deirdre Habershaw
Project Director
Mayor's Office of Emergency Management
One City Hall Square, Rm 204
617-635-1400

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, January 26, 2015 12:45 PM EST
To: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: Re: Somerville

yes i figured with the impending doom. i will reach out

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Jan 26, 2015, at 12:42 PM, "Deirdre Habershaw" <deirdre.habershaw@boston.gov> wrote:

Hi Eric,

I will not be able to make this due to the impending weather. Please let me know if Pam reschedules.

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ejohnson@lan-tel.com
www.lan-tel.com

--

Deirdre Habershaw
Project Director
Mayor's Office of Emergency Management
One City Hall Square, Rm 204
617-635-1400

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, January 26, 2015 1:45 PM EST
To: Monziona, Pam
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: Re: This and That

Yes it is . how about next Tuesday ?

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Jan 26, 2015, at 1:26 PM, "Monziona, Pam" <PMonziona@chelseama.gov> wrote:

Hi Eric,

Thanks for having Eric come over and set me up. I assume our meeting is cancelled for tomorrow. Just let me know when you are available again.

Can you also check out Park and Congress..The PTZ control has disappeared again. Thanks/Pam

Pamela J. Monziona
Chelsea Police Department
19 Park Street
Chelsea , Massachusetts 02150
617-466-4815 (Office)
617-466-4854 (Fax)

Go Green: Please do not print this e-mail unless you really need to.

The information contained in this electronic communication is intended to be sent only to the stated recipient and may contain information that is CONFIDENTIAL, privileged or otherwise protected from disclosure under applicable law. If the reader of this message is NOT the intended recipient or the intended recipient's agent, you are hereby notified that any dissemination, distribution or copying of the information is strictly prohibited. If you are not the intended recipient, please contact the sender and delete all copies.

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Thursday, January 29, 2015 5:51 PM EST

To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvtel.com>>; Michael French <Michael French <MFrench@lan-tel.com>>

Subject: RE: ShotSpotter Camera Integration

Hi Andrew,

I have not heard anything from the group, what is the next action item?

Nikhil

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Wednesday, January 21, 2015 12:44 PM

To: Nikhil Mehta

Cc: Chuck Wade; Eric Nisbet; Eric Johnson; Michael Kane; Mike Driscoll; Michael French

Subject: Re: ShotSpotter Camera Integration

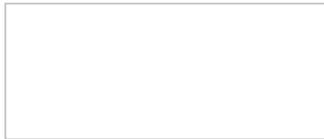
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Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Wed, Jan 21, 2015 at 3:43 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Hi Chuck

[Read Inline for my comments/answers](#)

Thanks,
Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]

Sent: Tuesday, January 20, 2015 7:49 PM

To: Nikhil Mehta; Eric Nisbet; Eric Johnson

Cc: Andrew Murphy; Michael Kane; Mike Driscoll; Michael French

Subject: Re: ShotSpotter Camera Integration

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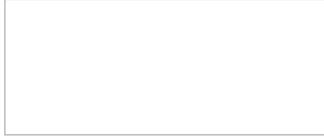
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CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvtel.com>>; Michael French <Michael French <MFrench@lan-tel.com>>

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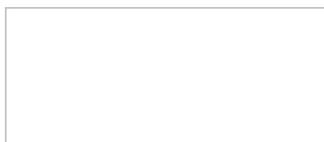
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, January 29, 2015 5:57 PM EST
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvitel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>
Subject: Re: ShotSpotter Camera Integration

Eric started on our end. I will defer to Eric to his progress . I do believe a CC might be in order to make action items and know who is responsible for what , etc .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

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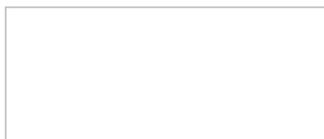
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Sent: Thursday, January 29, 2015 6:03 PM EST
To: Andrew Murphy <Andrew.Murphy@boston.gov>; Nikhil Mehta <Nikhil.Mehta@shotspotter.com>
CC: Eric Nisbet <Eric.Nisbet@lan-tel.com>; Eric Johnson <Eric.Johnson@lan-tel.com>; Michael Kane <Michael.Kane@boston.gov>; Mike Driscoll <Mike.Driscoll@dvitel.com>; Michael French <Michael.French@lan-tel.com>
Subject: Re: ShotSpotter Camera Integration
Attachment(s): "smime.p7s"

Andrew, Nikhil,

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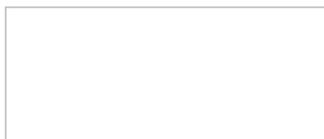
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Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



From: Andrew Murphy <andrew.murphy@boston.gov>
Sent: Thursday, January 29, 2015 8:39 PM EST
To: Chuck Wade <Chuck.Wade@interisle.net>
CC: Nikhil Mehta <Nikhil.Mehta@shotspotter.com>; Eric Nisbet <Eric.Nisbet@lan-tel.com>; Eric Johnson <Eric.Johnson@lan-tel.com>; Michael Kane <Michael.Kane@boston.gov>; Mike Driscoll <Mike.Driscoll@dvitel.com>; Michael French <Michael.French@lan-tel.com>
Subject: Re: ShotSpotter Camera Integration

Thanks Chuck. After this we'll plan to hop on a quick call to discuss next steps. Have a great night all.

Andrew

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

On Jan 29, 2015, at 6:03 PM, Chuck Wade <Chuck@interisle.net> wrote:

Andrew, Nikhil,

I am working on setting up a firewall that can establish an IPsec connection to the ShotSpotter service and connect all the region's DVTEL servers via this IPsec tunnel to ShotSpotter. However, I've been held up by a network problem that had to be dealt with this week, and I'm also trying to address some other, related issues.

I will try to provide an update tomorrow, or by Monday at the latest.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 1/29/15 5:53 PM, Andrew Murphy wrote:

Chuck and Eric. Can you provide an update on this? Do we know what steps need to be taken or should we schedule a conference call? Thanks so much.

Andrew

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

On Jan 29, 2015, at 5:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Hi Andrew,
I have not heard anything from the group, what is the next action item?

Nikhil

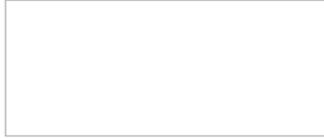
From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Wednesday, January 21, 2015 12:44 PM
To: Nikhil Mehta
Cc: Chuck Wade; Eric Nisbet; Eric Johnson; Michael Kane; Mike Driscoll; Michael French

Subject: Re: ShotSpotter Camera Integration

Nikhil, just so you know, we are only working on 4 coverage areas: Chelsea, Everett, Revere, and Somerville. Cambridge is not part of this integration. Thanks.

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Wed, Jan 21, 2015 at 3:43 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Hi Chuck
Read Inline for my comments/answers

Thanks,
Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Tuesday, January 20, 2015 7:49 PM
To: Nikhil Mehta; Eric Nisbet; Eric Johnson
Cc: Andrew Murphy; Michael Kane; Mike Driscoll; Michael French
Subject: Re: ShotSpotter Camera Integration

Nikhil, Eric, Eric,

Some items that would be helpful to me would be to plan out some of the logistics for the near term. Some specifics:

- Can we select one initial municipal video system to start with? I believe Chelsea would be a good choice.

[Nikhil] Any of the 5 coverage area is fine with us.

- Do we have a sense for when we could realistically start testing? This probably depends on above choice of initial system for testing.

[Nikhil] Once I get the details for the server IP and packet Type, we can do the connectivity test. I can get the Notification provisioned and simulate few test incidents.

- Can we get a copy of the "Notification Engine User's Manual"? It appears that it may fill in some gaps from the API document already provided.

[Nikhil] The Notification Engine will be running on our hosted server, all provisioning will be done by the Shotspotter. API documents explains all the packet types that are supported for the camera vendor.

- As I recall, we discussed a proposal to establish an IPsec tunnel from a PSnet firewall to the ShotSpotter service (terminating on a Juniper SRX series firewall). Assuming this is still the plan, then I believe we will not need to associate public IP addresses with the video servers. Depending on the NAT games we decide to play, we should be able to map the ShotSpotter service to a single virtual subnet containing all the video servers on the PSnet end. This should make things easier.

[Nikhil] We can setup a VPN, will there be 5 endpoints?

- For planning purposes, it would help to get a sense for the average and burst traffic characteristics for the ShotSpotter service. I assume that the actual bandwidth requirements are modest, but if there are any response time concerns with bursts of activity, it would be nice to know what to expect.

[Nikhil] These are small xml packets that are sent only when a gunshot incident is published. So, low bandwidth and no burst traffic

- We will provide at least one public IP address for the IPsec tunnel termination on PSnet. We will also provide a domain name mapping to this IP address. I do want to note that I

hope we will be upgrading our Internet services later this year, and this will result in a change to the public IP address we use.

[Nikhil] You have to provide us with the new IP addresses and we've to do work on the VPN setup again. As we'll not have any visibility on the timeline of these changes so someone from your side need to communicate to Shotspotter support when this happens. You can send an email to support@shotspotter.com with the details of the changes.

- We can also provide a backup public IP address that will get to a mirrored firewall configuration at a second site. Let me know what issues need to be addressed to take advantage of this. I view this as a secondary concern at this time, but perhaps something to build into our planning.

[Nikhil] We can setup a call to discuss the network/VPN details.

- Aside from port 443 and 80, what other ports/protocols will be needed. You mention ICMP echo (ping), but we probably want to support some additional ICMP exchanges for detecting and reporting network issues. Will you be using any watchdog timers or keep alive messages designed to confirm connectivity and keep the sessions "hot"?

[Nikhil] We can discuss details in the network/vpn setup call

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

On 1/20/15 5:36 PM, Nikhil Mehta wrote:

Hi Andrew et al,

Here are few things that I would like to know to start the integration process with the camera system for the 5 cities.

1. As per the previous integration for Shotspotter Boston coverage area, I believe we will be using socket connection for these 5 cities also. Let me know if there is a change in the channel type.
2. What packet type? Please refer to the attached API document for details on the different packet type and the information provided.
3. I will need public IP address for the end server for the 5 cities with the port no.
4. On the server end you need to provision your firewall to allow 107.0.144.107 port 443 and 80 and create a route for the data to reach the camera server.
5. Initially allow ICMP (ping) to test the server reachability.

Thanks,
Nikhil Mehta

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, January 20, 2015 1:42 PM
To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade
Cc: Mike Kane
Subject: ShotSpotter Camera Integration

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

Andrew

Andrew Murphy

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, January 30, 2015 7:41 PM EST
To: Nikhil Mehta <Nikhil Mehta <NMehta@ShotSpotter.com>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: PSnet: Setup for IPsec tunnel to ShotSpotter service
Attachment(s): "smime.p7s"

Nikhil,

I have done some prep work on the firewall we intend to use for establishing communications from the ShotSpotter service to the Metro Boston DVTEL servers located at the various municipal sites. I am now ready to work with your team to establish an IPsec tunnel between your data center and our firewall.

While there are many ways to configure IPsec tunnels, let me put forward an initial proposal (pun intended). However, we can be flexible and adapt to preferences you may have. For example, we can authenticate using public/private key pairs or certs, if you would prefer that approach instead of pre-shared keys. Similarly, we can adapt to other crypto algorithm choices within reason.

Here is an initial proposal for configuring the Phase 1 connection, assuming IKEv1:

	PSnet @ Boston PD	ShotSpotter
Local Public IP Addr:		
Peer Public IP Addr:		
FQDN:		
Authentication Method:		
Exchange Mode:		
Send initial contact:		
NAT traversal:		
Hash Algorithm:		
Encryption:		
Diffie-Hellman Group:		
Key lifetime:		
Dead Peer Detection Interval:		
Max DPD Failures:		

We will need to agree on the value for a pre-shared key and exchange this key in some out-of-band manner unless we decide to use a public key authentication method.

We should only need one Phase 2 connection configuration, though we could add more if desired. Here is a template configuration for a Phase 2 connection:

	PSnet @ Boston PD	ShotSpotter
SA Source IP Addr:	75.111.151.61	75.111.151.61
SA Destination IP Addr:		
Protocol:		
Mode:		
Exchange Mode:		
Proposal-authentication:		
Proposal-encryption:	A	
Proposal-PFS-DH:	G	
Proposal-Key lifetime:		
Tunnel Source Addr:		
Tunnel Destination Addr:		

Note that we will implement firewall filter rules to restrict traffic to just the DVTEL servers using the ShotSpotter service. We

will also NAT your service IP addresses so that the DVTEL servers will not require routes to be able to respond to requests initiated by your services. I will provide a table mapping the various DVTEL servers to IP addresses you can use to reach them.

One potential issue could be that there might be conflicts with use of the < [REDACTED] address space on our end and some of your other clients. If this is a problem, we can enable NAT in both directions, and expose addresses that do not conflict.

When you are ready to try out the IPsec tunnel, I can make myself available for real-time debugging. I am also happy to answer any questions, or work with the ShotSpotter team on refining our plans for connecting to your service.

Regards...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>
Sent: Friday, January 30, 2015 7:45 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: RE: PSnet: Setup for IPsec tunnel to ShotSpotter service

Chuck,
 Thanks for providing the details. I'll work with my IT team and get the required information by COB Monday.

Thanks,
 Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, January 30, 2015 4:41 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric Nisbet; Andrew Murphy; Colin Strutt; Fred Goldstein
Subject: PSnet: Setup for IPsec tunnel to ShotSpotter service

Nikhil,

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Key lifetime:	
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Proposal-authentication:		

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Proposal-PFS-DH:	
Proposal-Key lifetime:	
Tunnel Source Addr:	
Tunnel Destination Addr:	

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Regards...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 05, 2015 8:33 AM EST

To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

Subject: MK: Quincy CIMS Discussion

Hi Chuck,

Did this discussion happen while I was in DC?

Thanks and let's touch base today after 930.

Mike

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

From: LT Robert Gillan <rgillan@quincyma.gov>

Sent: Thursday, February 05, 2015 8:46 AM EST

To: Michael Kane <'Michael Kane' <michael.kane@boston.gov>>; Chuck Wade <'Chuck Wade' <Chuck@interisle.net>>

CC: Deirdre Habershaw <'Deirdre Habershaw' <deirdre.habershaw@boston.gov>>; Eric Johnson <'Eric Johnson' <ejohnson@lan-tel.com>>; Joe P <Joe P <jpepjonovich@quincyma.gov>>

Subject: RE: Quincy CIMS Discussion

Mike

In lieu of a meeting, a detailed Statement of Work, for Joe P and I to review would work.
Thanks

Bob

-----Original Message-----

From: Michael Kane [<mailto:michael.kane@boston.gov>]

Sent: Thursday, February 05, 2015 8:34 AM

To: Chuck Wade

Cc: Deirdre Habershaw; Robert Gillan; Eric Johnson

Subject: MK: Quincy CIMS Discussion

Hi Chuck,

Did this discussion happen while I was in DC?

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Mike

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

From: Joe P <jpepjonovich@quincyma.gov>

Sent: Thursday, February 05, 2015 9:28 AM EST

To: LT Robert Gillan <'LT Robert Gillan' <rgillan@quincyma.gov>>; Michael Kane <'Michael Kane' <michael.kane@boston.gov>>; Chuck Wade <'Chuck Wade' <Chuck@interisle.net>>

CC: Deirdre Habershaw <'Deirdre Habershaw' <deirdre.habershaw@boston.gov>>; Eric Johnson <'Eric Johnson' <ejohnson@lan-tel.com>>

Subject: RE: Quincy CIMS Discussion

Bob,

We also put in for switches and were wondering what the status for them is-

Another issue we've pointed out to the consultants and others is the Dell server which is at end of life- if something happens to the server, we will lose all historical video as well as access to all HLS cameras. Dell will not provide service to end of life systems.

I feel this should be addressed sooner than later before it becomes a major issue.

Thanks,

Joe

-----Original Message-----

From: LT Robert Gillan [<mailto:rgillan@quincyma.gov>]

Sent: Thursday, February 05, 2015 8:47 AM

To: 'Michael Kane'; 'Chuck Wade'

Cc: 'Deirdre Habershaw'; 'Eric Johnson'; Joe P

Subject: RE: Quincy CIMS Discussion

Mike

In lieu of a meeting, a detailed Statement of Work, for Joe P and I to review would work.

Thanks

Bob

-----Original Message-----

From: Michael Kane [<mailto:michael.kane@boston.gov>]

Sent: Thursday, February 05, 2015 8:34 AM

To: Chuck Wade

Cc: Deirdre Habershaw; Robert Gillan; Eric Johnson

Subject: MK: Quincy CIMS Discussion

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Michael Kane

Regional Planner

City of Boston

Office of Emergency Management

617-635-1400

617-895-7215

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 05, 2015 9:44 AM EST
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Gerald Reardon <Gerald Reardon <greardon@cambridgefire.org>>
Subject: MK: THE REGION'S ENHANCEMENTS CIMS AND NETWORK ENHANCEMENTS

Hi Chuck & Eric-

The region's and OEM' expectation are the following:

First, Quincy get it's for new cameras and the data pull to the marina as whatever other upgrades are needed to execute this project. This project is documented in the Gap analysis.

Second, Chelsea's camera upgrade should be completed per Eric Johnson's LanTel project plan.

Finally, all other communities with the exception of Boston should be completed for Camera and microwave upgrades with 1080 pixel he cameras per Lantel's project plan.

The aim for the rest of Boston's camera upgrade is to try to fund with upcoming in 2015 project funds. The BONET optimization work should also be competed if funds are available.

We would like to use the current contracts to expedite these enhancements.

Our total CIMS funding is 650k. There may be additional CIS funds to assist on microwave and network enhancements.

All work should be done to make the network stronger, resilient.and built for future investments for both CIS and CIMS.

I'm available at 10:00 to discuss in detail thank you for both of your teams' assistance.

Mike

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

On Feb 5, 2015, at 8:57 AM, Chuck Wade <Chuck@interisle.net> wrote:

Michael,

No, not yet. I would like to chat with you to make sure I'm in sync with what OEM is funding and supporting. As you probably noticed from the email threads, Lt. Gillan has concerns about the status of the project. I don't anticipate any issues based on my understanding, but I don't want to get out ahead of you.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 2/5/15 8:33 AM, Michael Kane wrote:

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Mike

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management

617-635-1400
617-895-7215

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 05, 2015 10:05 AM EST

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Pam Monziona <Pam Monziona <PMonziona@chelseama.gov>>; John Cowhig <John Cowhig <jcowhig@chelseama.gov>>; Robert Griffin <Robert Griffin <RGriffin@chelseama.gov>>>

Subject: MK: Chelsea Call on CIMS Upgrade

Hi Eric-

I wanted to see if you were able to get a time with Chelsea stakeholders for today and if so do you have a bridge you can share with me and Deirdre. We are all looking forward to kicking this project off.

Thanks again for your assistance and looking forward to next steps,

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 05, 2015 10:24 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Pam Monziona <Pam Monziona <PMonziona@chelseama.gov>>; John Cowhig <John Cowhig <jcowhig@chelseama.gov>>; Robert Griffin < Robert Griffin <RGriffin@chelseama.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: MK: Chelsea Call on CIMS Upgrade

Mike :

I talked with Pam yesterday and today . We did not meet due to weather . In our discussion this morning it was determined that no fixed cameras will replace existing PTZs.

The only issue that came up is the thermal cameras for Tobin Bridge , Gulf Oil , and MWRA Tower . I believe this is a separate issue from audit quote ?

I am just waiting for Somerville notes and I will have all towns completed for submittal.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

On Feb 5, 2015, at 10:05 AM, "Michael Kane" <michael.kane@boston.gov> wrote:

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CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>
Subject: Re: MK: Chelsea Additional Camera Sites

Can I get a quote for that work too.

Mike

On Thu, Feb 5, 2015 at 10:24 AM, Eric Johnson<ejohnson@lan-tel.com> wrote:

Mike :

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Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)
michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 05, 2015 10:54 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>
Subject: Re: MK: Chelsea Additional Camera Sites

yes sir

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
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Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

--

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Regional Planner

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 05, 2015 11:35 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Surette <John Surette <john.surette@pd.boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Harold Cataldo <Harold Cataldo <CataldoH.bpd@cityofboston.gov>>
Subject: Fwd: BONET Connections for CIMS Boston Police
Attachment(s): "ATT00001.htm", "BONET Connections for CIMS Boston Police.docx"

Brenda, Jim, and Dan-

This work will help alleviate the current issues with Boston's CIMS cameras by reducing hops onto current BONET fiber.

We would like to get this work done as part of the CIMS upgrades identified in the GAP analysis.

Mike

----- Forwarded message -----

From: Eric Johnson <ejohnson@lan-tel.com>
Date: Sun, Sep 7, 2014 at 10:13 PM
Subject: Fwd: BONET Connections for CIMS Boston Police
To: Michael Kane <michael.kane@boston.gov>, Michael Kane <Michael.Kane@cityofboston.gov>
Cc: John Bartolomucci <jbarts@lan-tel.com>, Kate Waldron <kwaldron@lan-tel.com>, Vickie Balaschi <VBalaschi@lan-tel.com>

Mike

Follow up to our meeting

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781-352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: Eric Johnson <eric.941@gmail.com>
Date: September 7, 2014, 9:54:18 PM EDT
To: Eric Johnson <ejohnson@lan-tel.com>
Subject: BONET Connections for CIMS Boston Police

--

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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 05, 2015 11:38 AM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: MK: BONET Connections for CIMS Boston Police identified in Gap analysis
Attachment(s): "BONET Connections for CIMS Boston Police.docx"

including Chuck.

----- Forwarded message -----

From: **Michael Kane** <michael.kane@boston.gov>
Date: Thu, Feb 5, 2015 at 11:35 AM
Subject: Fwd: BONET Connections for CIMS Boston Police
To: Eric Johnson <ejohnson@lan-tel.com>, Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>, "brenda. jones" <brenda.jones@boston.gov>, Dan Rothman <dan.rothman@boston.gov>
Cc: Deirdre Habershaw <deirdre.habershaw@boston.gov>, John Surette <john.surette@pd.boston.gov>, Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>, Harold Cataldo <CataldoH.bpd@cityofboston.gov>

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Date: Sun, Sep 7, 2014 at 10:13 PM
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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 05, 2015 1:00 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Mk: Division between CIMS vs PsNet

Chuck and Eric,

We need this requirement broken out.

Let's keep this in mind for any microwaves that get installed in this upgrade.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

On Feb 5, 2015, at 12:01 PM, Brenda Jones <brenda.jones@boston.gov> wrote:

Chuck,

In preparation of Tuesday's meeting, can you draft up the division between CIMS and PsNet efforts? I know you have discussed at length but we are now in a new arena with heavy PsNet projects AND CIMS upgrades.

I need to have this documented so we can clearly allocate funds accordingly moving forward and under the next round in contracting process.

I'll also talk to you about my discussion I had with City of Boston (Microwave).

Thank you!

Brenda Jones

Project Director

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | brenda.jones@cityofboston.gov

From: Brenda Jones <brenda.jones@boston.gov>
Sent: Thursday, February 05, 2015 1:00 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Surette <John Surette <john.surette@pd.boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Harold Cataldo <Harold Cataldo <CataldoH.bpd@cityofboston.gov>>
Subject: Re: BONET Connections for CIMS Boston Police

Thank you Mike,

This information will help a great deal as I have further conversations on BONET utility for possible Microwave solutions.

Brenda Jones

Project Director

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | brenda.jones@cityofboston.gov

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To: Michael Kane <michael.kane@boston.gov>, Michael Kane <Michael.Kane@cityofboston.gov>

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Regional Planner

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 05, 2015 1:05 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>
Subject: Re: Mk: Division between CIMS vs PsNet

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Respectfully ,

Eric Johnson
Project Manager
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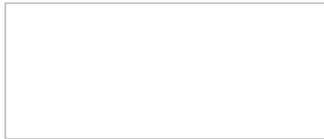
From: Andrew Murphy <andrew.murphy@boston.gov>
Sent: Thursday, February 05, 2015 3:01 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Mike French <Mike French <mfrench@lan-tel.com>>
Subject: Re: PSnet: Setup for IPsec tunnel to ShotSpotter service

Hi everyone. Just checking in to see how we're progressing. Nikhil, I believe we last left it with your IT folks to get some info for Chuck by close of business this past Monday. Any updates? Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Fri, Jan 30, 2015 at 7:45 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

Chuck,

Thanks for providing the details. I'll work with my IT team and get the required information by COB Monday.

Thanks,

Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, January 30, 2015 4:41 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric Nisbet; Andrew Murphy; Colin Strutt; Fred Goldstein
Subject: PSnet: Setup for IPsec tunnel to ShotSpotter service

Nikhil,

I have done some prep work on the firewall we intend to use for establishing communications from the ShotSpotter service to the Metro Boston DVTEL servers located at the various municipal sites. I am now ready to work with your team to establish an IPsec tunnel between your data center and our firewall.

While there are many ways to configure IPsec tunnels, let me put forward an initial proposal (pun intended). However, we can be flexible and adapt to preferences you may have. For example, we can authenticate using public/private key pairs or certs, if you would prefer that approach instead of pre-shared keys. Similarly, we can adapt to other crypto algorithm choices within reason.

Here is an initial proposal for configuring the Phase 1 connection, assuming IKEv1:

	PSnet @ Boston PD	ShotSpotter
Local Public IP Addr:	75.144.154.34	<TBP by SST>
Peer Public IP Addr:	<TBP by SST>	75.144.154.34
FQDN:	<i>not needed</i>	<i>not needed</i>
Authentication Method:	<i>pre-shared key</i>	<i>pre-shared key</i>
Exchange Mode:	Main	Main

Send initial contact:	yes	?
NAT traversal:	no	?
Hash Algorithm:	SHA-1	SHA-1
Encryption	AES 256 bit key	AES 256 bit key
Diffie-Hellman Group:	Group 5, ModP 1536	Group 5, ModP 1536
Key lifetime:	8 hours	8 hours
Dead Peer Detection Interval:	30 secs	30 secs
Max DPD Failures:	5	5

We will need to agree on the value for a pre-shared key and exchange this key in some out-of-band manner unless we decide to use a public key authentication method.

We should only need one Phase 2 connection configuration, though we could add more if desired. Here is a template configuration for a Phase 2 connection:

	PSnet @ Boston PD	ShotSpotter
SA Source IP Addr:	75.144.154.34	<TBP by SST>
SA Destination IP Addr:	<TBP by SST>	75.144.154.34
Protocol:	esp	esp
Mode:	tunnel	tunnel
Exchange Mode:	Main	Main
Proposal-authentication:	SHA-1	SHA-1
Proposal-encryption:	AES-cbc 256 bit key	AES-cbc 256 bit key
Proposal-PFS-DH:	Group 5, ModP 1536	Group 5, ModP 1536
Proposal-Key lifetime:	1 hour	1 hour
Tunnel Source Addr:	10.0.64.0/18	<TBP by SST>
Tunnel Destination Addr:	<TBP by SST>	10.0.64.0/18

Note that we will implement firewall filter rules to restrict traffic to just the DVTEL servers using the ShotSpotter service. We will also NAT your service IP addresses so that the DVTEL servers will not require routes to be able to respond to requests initiated by your services. I will provide a table mapping the various DVTEL servers to IP addresses you can use to reach them.

One potential issue could be that there might be conflicts with use of the <10.0.64/18> address space on our end and some of your other clients. If this is a problem, we can enable NAT in both directions, and expose addresses that do not conflict.

When you are ready to try out the IPsec tunnel, I can make myself available for real-time debugging. I am also happy to answer any questions, or work with the ShotSpotter team on refining our plans for connecting to your service.

Regards...
...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>
Sent: Thursday, February 05, 2015 3:19 PM EST
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Chuck Wade <Chuck@interisle.net>; Eric Johnson <EJohnson@lan-tel.com>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein < Fred Goldstein <Fred@interisle.net>>; Mike French <Mike French <mfrench@lan-tel.com>>; Christian Lahti < Christian Lahti <clahti@shotspotter.com>>
Subject: RE: PSnet: Setup for IPsec tunnel to ShotSpotter service

Hi Andrew,
Sorry or the delay. I've reviewed the information Chuck sent last week with my IT group. Christian Lahti our IT Director, will assist in provisioning the VPN and he will reply back to Chuck with VPN details by COB today.

Thanks,
Nikhil

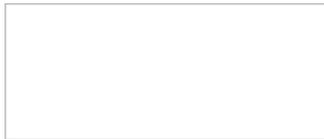
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Authentication Method:	<i>pre-shared key</i>	<i>pre-shared key</i>
Exchange Mode:	Main	Main
Send initial contact:	yes	?
NAT traversal:	no	?
Hash Algorithm:	SHA-1	SHA-1
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Diffie-Hellman Group:	Group 5, ModP 1536	Group 5, ModP 1536
Key lifetime:	8 hours	8 hours
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Exchange Mode:	Main	Main
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...Chuck

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[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 06, 2015 3:06 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Fwd: Chelsea thermal quote
Attachment(s): "Chelsea thermal quote.pdf", "ATT00001.htm"

Mike

Here is the quote for Chelsea thermal cameras.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: John Bartolomucci <jbarts@lan-tel.com>
Date: February 6, 2015, 2:47:43 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: Chelsea thermal quote

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 06, 2015 3:08 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: Chelsea thermal quote

Thanks Eric with install and integration to the DVTEL platform correct

Michael Kane
Regional Planner
City of Boston
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617-635-1400
617-895-7215

On Feb 6, 2015, at 3:06 PM, Eric Johnson <ejohnson@lan-tel.com> wrote:

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Project Manager
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1400 Providence Highway, Suite 2000
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Phone: 781- 352-2427
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Begin forwarded message:

From: John Bartolomucci <jbarts@lan-tel.com>
Date: February 6, 2015, 2:47:43 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: Chelsea thermal quote

<Chelsea thermal quote.pdf>

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 06, 2015 3:27 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: Chelsea thermal quote

That is correct cameras , antennas and all networking on software

Respectfully ,

Eric Johnson
Project Manager
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Phone: 781- 352-2427
Fax: 781-551-8667

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<Chelsea thermal quote.pdf>

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 06, 2015 4:04 PM EST
To: Bruker Det Kenneth <Bruker Det Kenneth <kbruker@reverepolice.org>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
Subject: MK/OEM: CIMS REVERE recommendation

Hi Det.

So we are going to fund an upgrade of all current cameras with the 13 money that is currently allotted.

I would work with Eric and Chuck as they are our consultant on retainer for this project and quotes. I would focus on new sites for your upcoming abstract.

Thanks and stay warm,

Mike

On Fri, Feb 6, 2015 at 3:22 PM, Bruker Det Kenneth<kbruker@reverepolice.org> wrote:

Hello,

I was looking at Ross Bar Gap recommendations and I can see the money to replace our current out-dated cameras. I then see money to add cameras recommended by jurisdiction and by Lan-tel, what are the locations that are going to be added? I want do an abstract to add more cameras for the UASI FY15 but don't want to include locations that have already been recommended through the Gap Analysis. Can you advise me?

Detective Kenneth J. Bruker

Revere Police Department

Criminal Investigation Division

Video and Cellular Forensics

400 Revere Beach Parkway

Revere, Ma. 02151

Phone [\(781\) 656-1128](tel:(781)656-1128)

Fax [\(781\) 286-8300](tel:(781)286-8300)

CONFIDENTIALITY/SENSITIVITY NOTICE:

This message is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is law enforcement sensitive, proprietary, privileged, confidential and may be legally protected or otherwise exempt from disclosure. If you are not the intended recipient, you are hereby notified that any disclosure, dissemination, copying or distribution of this transmission is strictly prohibited. If you have received this message in error, please notify the sender immediately by email and immediately delete this message and all of its attachments.

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 06, 2015 4:04 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: Chelsea thermal quote

Please resend with attachement.

Thanks,

Mike

On Fri, Feb 6, 2015 at 3:27 PM, Eric Johnson<ejohnson@lan-tel.com> wrote:

That is correct cameras , antennas and all networking on software

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781- 352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

On Feb 6, 2015, at 3:09 PM, "Michael Kane" <michael.kane@boston.gov> wrote:

Thanks Eric with install and integration to the DVTel platform correct

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
[617-635-1400](tel:617-635-1400)
[617-895-7215](tel:617-895-7215)

On Feb 6, 2015, at 3:06 PM, Eric Johnson <ejohnson@lan-tel.com> wrote:

Mike
Here is the quote for Chelsea thermal cameras.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781- 352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: John Bartolomucci <jbarts@lan-tel.com>
Date: February 6, 2015, 2:47:43 PM EST

To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: Chelsea thermal quote

<Chelsea thermal quote.pdf>

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Friday, February 06, 2015 4:06 PM EST

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: Chelsea thermal quote.pdf

Attachment(s): "Chelsea thermal quote.pdf", "ATT00001.htm"

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: 617-413-2148
Phone: 781- 352-2427
Fax: 781-551-8667

ejohnson@lan-tel.com

www.lan-tel.com

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Sunday, February 08, 2015 10:44 AM EST

To: Harry Cataldo <Harry Cataldo <harold.cataldo@pd.boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Scott Wilder <swilder@brooklinema.gov>>; Ken Pitts <Ken Pitts <KPitts@cambridge911.org>>; David Mahoney <David Mahoney <DAMahoney@cambridgefire.org>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; John Cowhig <John Cowhig <jcowhig@chelseama.gov>>; Patrick Johnston <Patrick Johnston <Patrick.Johnston@cityofeverett.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Sandy Bendremmer <Sandy Bendremmer <Sandy@gis.net>>; Sean Hughes <Sean Hughes <sean.hughes@state.ma.us>>; Mike Saltzman <Mike Saltzman <michael.saltzman@state.ma.us>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Mike Kane <Mike Kane <michael.kane@boston.gov>>

Subject: Re: PSnet cancelled

Good morning all. Due to the weather we have cancelled Tuesday's meeting. We will look to reschedule for next week. Thanks and good luck digging out!

Andrew

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

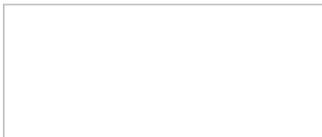
On Jan 5, 2015, at 9:17 AM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Good morning all. I apologize for the last minute notice but several individuals unfortunately had other meetings come up and can't make it to PSnet today so we have cancelled the meeting. We will look to reschedule for next week or the week after as there are several items on the agenda that need to be addressed. Thanks so much and happy new year all.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



From: Mike French <mfrench@lan-tel.com>

Sent: Monday, February 09, 2015 9:33 AM EST

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvtel.com>>

Subject: Re: ShotSpotter Camera Integration

Attachment(s): "B1438DAF-59C4-40AC-AD71-1CC3902FA124[1].png", "ATT00001.htm", "PastedGraphic-5.pdf", "ATT00002.htm", "07A963D7-0FE5-40B2-A254-32EFF35AC870[1].png", "ATT00003.htm", "14E072DF-A77E-404B-9105-87E479E61994[1].png", "ATT00004.htm", "PastedGraphic-3.pdf", "ATT00005.htm"

Chuck,

Eric J. and myself are wondering if the IPSEC tunnels have been created? We want to start working on the DVTel integration pieces, if this is not complete can you provide us the timelines so we can coordinate on our side.

Respectively,

Michael French

Director of Networking / IT Systems

On Jan 29, 2015, at 6:03 PM, Chuck Wade <Chuck@Interisle.net> wrote:

Andrew, Nikhil,

I am working on setting up a firewall that can establish an IPsec connection to the ShotSpotter service and connect all the region's DVTEL servers via this IPsec tunnel to ShotSpotter. However, I've been held up by a network problem that had to be dealt with this week, and I'm also trying to address some other, related issues.

I will try to provide an update tomorrow, or by Monday at the latest.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 1/29/15 5:53 PM, Andrew Murphy wrote:

Chuck and Eric. Can you provide an update on this? Do we know what steps need to be taken or should we schedule a conference call? Thanks so much.

Andrew

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

On Jan 29, 2015, at 5:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Hi Andrew,
I have not heard anything from the group, what is the next action item?

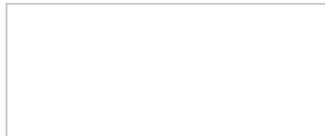
Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Wednesday, January 21, 2015 12:44 PM
To: Nikhil Mehta
Cc: Chuck Wade; Eric Nisbet; Eric Johnson; Michael Kane; Mike Driscoll; Michael French
Subject: Re: ShotSpotter Camera Integration

Nikhil, just so you know, we are only working on 4 coverage areas: Chelsea, Everett, Revere, and Somerville. Cambridge is not part of this integration. Thanks.

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Wed, Jan 21, 2015 at 3:43 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Hi Chuck
Read Inline for my comments/answers

Thanks,
Nikhil

From: Chuck Wade [<mailto:Chuck@Interisle.net>]
Sent: Tuesday, January 20, 2015 7:49 PM
To: Nikhil Mehta; Eric Nisbet; Eric Johnson

Cc: Andrew Murphy; Michael Kane; Mike Driscoll; Michael French
Subject: Re: ShotSpotter Camera Integration

Nikhil, Eric, Eric,

Some items that would be helpful to me would be to plan out some of the logistics for the near term. Some specifics:

- Can we select one initial municipal video system to start with? I believe Chelsea would be a good choice.

[Nikhil] Any of the 5 coverage area is fine with us.

- Do we have a sense for when we could realistically start testing? This probably depends on above choice of initial system for testing.

[Nikhil] Once I get the details for the server IP and packet Type, we can do the connectivity test. I can get the Notification provisioned and simulate few test incidents.

- Can we get a copy of the "Notification Engine User's Manual"? It appears that it may fill in some gaps from the API document already provided.

[Nikhil] The Notification Engine will be running on our hosted server, all provisioning will be done by the Shotspotter. API documents explains all the packet types that are supported for the camera vendor.

- As I recall, we discussed a proposal to establish an IPsec tunnel from a PSnet firewall to the ShotSpotter service (terminating on a Juniper SRX series firewall). Assuming this is still the plan, then I believe we will not need to associate public IP addresses with the video servers. Depending on the NAT games we decide to play, we should be able to map the ShotSpotter service to a single virtual subnet containing all the video servers on the PSnet end. This should make things easier.

[Nikhil] We can setup a VPN, will there be 5 endpoints?

- For planning purposes, it would help to get a sense for the average and burst traffic characteristics for the ShotSpotter service. I assume that the actual bandwidth requirements are modest, but if there are any response time concerns with bursts of activity, it would be nice to know what to expect.

[Nikhil] These are small xml packets that are sent only when an gunshot incident is published. So, low bandwidth and no burst traffic

- We will provide at least one public IP address for the IPsec tunnel termination on PSnet. We will also provide a domain name mapping to this IP address. I do want to note that I hope we will be upgrading our Internet services later this year, and this will result in a change to the public IP address we use.

[Nikhil] You have to provide us with the new IP addresses and we've to do work on the VPN setup again. As we'll not have any visibility on the timeline of these changes so someone from your side need to communicate to Shotspotter support when this happens. You can send an email to support@shotspotter.com with the details of the changes.

- We can also provide a backup public IP address that will get to a mirrored firewall configuration at a second site. Let me know what issues need to be addressed to take advantage of this. I view this as a secondary concern at this time, but perhaps something to build into our planning.

[Nikhil] We can setup a call to discuss the network/VPN details.

- Aside from port 443 and 80, what other ports/protocols will be needed. You mention ICMP echo (ping), but we probably want to support some additional ICMP exchanges for detecting and reporting network issues. Will you be using any watchdog timers or keep alive messages designed to confirm connectivity and keep the sessions "hot"?

[Nikhil] We can discuss details in the network/vpn setup call

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
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[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

On 1/20/15 5:36 PM, Nikhil Mehta wrote:

Hi Andrew et al,

Here are few things that I would like to know to start the integration process with the camera system for the 5 cities.

1. As per the previous integration for Shotspotter Boston coverage area, I believe we will be using socket connection for these 5 cities also. Let me know if there is a change in the channel type.
2. What packet type? *Please refer to the attached API document for details on the different packet type and the information provided.*
3. I will need public IP address for the end server for the 5 cities with the port no.
4. On the server end you need to provision your firewall to allow 107.0.144.107 port 443 and 80 and create a route for the data to reach the camera server.
5. Initially allow ICMP (ping) to test the server reachability.

Thanks,
Nikhil Mehta

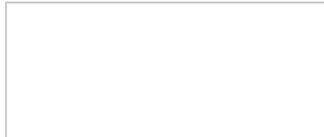
From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, January 20, 2015 1:42 PM
To: Nikhil Mehta; Eric Johnson; Mike Driscoll; Chuck Wade
Cc: Mike Kane
Subject: ShotSpotter Camera Integration

Good afternoon all. We have contracts set up with ShotSpotter (Nikhil Mehta), Lan-Tel (Eric Johnson), and Interisle (Chuck Wade) to complete the camera integration. I have also included Mike Driscoll from DVTEL although I believe Lan-Tel will liaise with them. The integration will be occurring for Chelsea, Everett, Revere, and Somerville. Nikhil will follow up shortly with an email outlining the process and explaining what he needs on our end. If you have any questions let me know. Thanks everyone.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, February 09, 2015 10:30 AM EST
To: Mike French <Mike French <mfrench@lan-tel.com>>
CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kane <Michael Kane <Michael.Kane@boston.gov>>; Mike Driscoll <Mike Driscoll <MDriscoll@dvtel.com>>
Subject: Re: ShotSpotter Camera Integration
Attachment(s): "smime.p7s"

Michael,

I worked with Christian Lahti from ShotSpotter IT at the end of last week. We almost have the IPsec tunnel working, but Christian suspects a firmware problem in their Juniper SRX firewall is causing problems. At one point, the tunnel came up and I was able to ping through it, and then it just as mysteriously dropped the connection. Christian is trying to engage Juniper tech support. I will also try some further experiments from our side. The hope is to have this working by tomorrow. I will let you know as soon as we have more definitive news.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 2/9/15 9:33 AM, Mike French wrote:

Chuck,

Eric J. and myself are wondering if the IPSEC tunnels have been created? We want to start working on the DVTel integration pieces, if this is not complete can you provide us the timelines so we can coordinate on our side.

Respectively,

Michael French
Director of Networking / IT Systems

From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, February 09, 2015 8:26 PM EST
To: Nikhil Mehta <Nikhil Mehta <NMehta@ShotSpotter.com>>; Christian Lahti <Christian Lahti <CLahti@ShotSpotter.com>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: PSnet: Setup for IPsec tunnel to ShotSpotter service
Attachment(s): "smime.p7s"

Nikhil, Christian,

This memo is intended to document the IP addressing that will be used by the ShotSpotter Notification Engine to communicate with MBHSR video servers (DVTEL) via the IPsec tunnel we have configured. Note, the IPsec tunnel is not yet working--only "Phase 1" is getting established but "Phase 2" is not, which is required for traffic to actually flow through this tunnel. As I understand things, we are waiting for technical assistance from Juniper, and the planned firmware upgrade on your ShotSpotter SRX system.

Based on the agreement we reached on how to handle addressing, the PSnet firewall located at Boston PD HQ has been configured with the <10.20.61.0/24> subnet for mapping between the actual DVTEL servers and the ShotSpotter service (via the IPsec tunnel). This <10.20.61.0/24> subnet is not a real subnet, and it maps to a loopback address on the PSnet firewall. These addresses are seen by the ShotSpotter systems, but are never visible within PSnet.

I have configured destination NAT rules to map between a set of IP address in the <10.20.61.0/24> space that correspond to the actual DVTEL servers. The following table summarizes these mappings:

DVTEL Server Location	Actual DVTEL IP	NAT'ed DVTEL IP
Everett PD		
Revere PD		
Chelsea PD		
Somerville PD		

To be clear, ShotSpotter services will never see the actual DVTEL IP addresses, and the DVTEL servers will never see the actual IP address of the ShotSpotter Notification Engine, which will be masqueraded by another NAT rule so that an internal PSnet IP address <10.254.66.237> will be the apparent source address for ShotSpotter notifications. Since all communications is initiated from the ShotSpotter Notification Engine, the DVTEL servers will not need to know the NAT'ed source address for this Engine. The only significant concern is that the NAT'ed source address be reachable from the actual DVTEL servers, which it is.

To test that this is all working, I established an IPsec tunnel from a firewall at another public IP address, and confirmed that I can reach the four DVTEL servers via their NAT'ed IP addresses.

Let me also take this opportunity to confirm the current configurations we have for the IPsec tunnel based on the IP addressing scheme we agreed on: The Phase 1 proposal (IKEv1) is:

	PSnet @ Boston PD	ShotSpotter
Local Public IP Addr:		
Peer Public IP Addr:		
FQDN:		
Authentication Method:		
Exchange Mode:		
Send initial contact:		
NAT traversal:		
Hash Algorithm:		
Encryption:		
Diffie-Hellman Group:	G	
Key lifetime:		
Dead Peer Detection Interval:		
Max DPD Failures:		

For the Phase 2 setup, we have the following parameters configured:

	PSnet @ Boston PD	ShotSpotter
SA Source IP Addr:		
SA Destination IP Addr:		
Protocol:		
Mode:		
Exchange Mode:		
Proposal-authentication:		
Proposal-encryption:	AE	
Proposal-PFS-DH:	Gr	
Proposal-Key lifetime:		
Tunnel Source Addr:		
Tunnel Destination Addr:		

Christian, I also want to confirm that I will be available tomorrow (Tues) afternoon at noon PST for a conference call with Juniper tech support. Hopefully, we'll resolve whatever is holding up the Phase 2 establishment, and then everything should be ready to complete the integration work.

Regards...

...Chuck

--

Chuck Wade, Principal
 Interisle Consulting Group
 +1 508 435-3050 Office
 +1 508 277-6439 Mobile
www.interisle.net

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, February 10, 2015 6:40 PM EST
To: Nikhil Mehta <Nikhil Mehta <NMehta@ShotSpotter.com>>; Christian Lahti <Christian Lahti <CLahti@ShotSpotter.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Michael French <Michael French <MFrench@LAN-TEL.com>>
CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: PSnet: Communications established for ShotSpotter Notification service
Attachment(s): "smime.p7s"

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

If any communications problems are encountered, I can assist in debugging. Note that ShotSpotter can initiate pings to the DVTEL servers, but it is not possible to ping the ShotSpotter notification engine from the DVTEL servers at this time, due to the current configuration of NAT rules on both the PSnet and ShotSpotter firewalls.

Finally, I will note that this communications setup can be easily extended to allow communications to other DVTEL servers reachable on PSnet.

I also want to thank Christian Lahti for pushing through the changes required to get this working from the ShotSpotter end. Getting this type of secure communication working with different firewalls and configurations on the two ends is generally a challenge, but we worked through the issues pretty efficiently, and I have a better understanding now of how the network is configured at their Richmond data center.

If there are any questions, I'll do my best to address them...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Tuesday, February 10, 2015 7:05 PM EST

To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>

CC: Nikhil Mehta <Nikhil Mehta <NMehta@shotspotter.com>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Michael French <Michael French <MFrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Chuck and Christian, thank you very much for the speedy work.

Andrew

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

On Feb 10, 2015, at 6:40 PM, Chuck Wade <Chuck@interisle.net> wrote:

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

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...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Wednesday, February 11, 2015 3:34 PM EST

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Nisbet <Eric Nisbet <ENisbet@LAN-TEL.com>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Michael French <Michael French <MFrench@LAN-TEL.com>>

CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>

Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Chuck and Christian for setting up the VPN.

Andrew,

For the next step, I would like to provision Notification Engine for Chelsea coverage area (as we decided to do this first). I need DVTEL server details like what packet type and channel type they support. As per as our Boston setup, I've channel type as socket and packet type as INCIUPD. Do we want to use the same configuration ? Please confirm.

Thanks,

Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]

Sent: Tuesday, February 10, 2015 3:41 PM

To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French

Cc: Andrew Murphy; Fred Goldstein; Colin Strutt

Subject: PSnet: Communications established for ShotSpotter Notification service

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

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Chuck Wade, Principal
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+1 508 277-6439 Mobile
www.interisle.net

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 12, 2015 9:54 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>
Subject: 2015 CIMS Upgrade Proposal
Attachment(s): "CIMS 2015 Upgrade Project Proposal.pdf"

Mike:

Here is our proposal for the system wide upgrade of cameras , antennas and servers.

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781-352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 12, 2015 10:01 AM EST

To: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Murphy, Andrew

Subject: MK: LANTEL 2015 CIMS Upgrade Proposal

Attachment(s): "CIMS 2015 Upgrade Project Proposal.pdf"

Hello,

Just wanted you all to have a first view of this before we started the work over the next few weeks on the regional upgrades. Feel free to contact myself or Eric with questions.

Thanks and hope you are all dug out,

Mike

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 12, 2015 10:04 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>
CC: Murphy, Andrew; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: MK: BONET Connections for CIMS Boston Police
Attachment(s): "ATT00001.htm", "BONET Connections for CIMS Boston Police.docx"

Please add this work as well to the final proposal if not already completed.

Mike

----- Forwarded message -----

From: Eric Johnson <ejohnson@lan-tel.com>
Date: Sun, Sep 7, 2014 at 10:13 PM
Subject: Fwd: BONET Connections for CIMS Boston Police
To: Michael Kane <michael.kane@boston.gov>, Michael Kane <Michael.Kane@cityofboston.gov>
Cc: John Bartolomucci <jbarts@lan-tel.com>, Kate Waldron <kwaldron@lan-tel.com>, Vickie Balaschi <VBalaschi@lan-tel.com>

Mike

Follow up to our meeting

Respectfully ,

Eric Johnson
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Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: Eric Johnson <eric.941@gmail.com>
Date: September 7, 2014, 9:54:18 PM EDT
To: Eric Johnson <ejohnson@lan-tel.com>
Subject: BONET Connections for CIMS Boston Police

--

Michael Kane
Regional Planner
Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)
michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 12, 2015 10:19 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: RE: BONET Connections for CIMS Boston Police

Mike this will bring over the 600k threshold. Is this ok?

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 12, 2015 10:05 AM
To: Eric Johnson; Deirdre Habershaw; brenda. jones; Chuck Wade; Gerry Reardon
Cc: Murphy, Andrew; John Bartolomucci
Subject: MK: BONET Connections for CIMS Boston Police

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----- Forwarded message -----

From: **Eric Johnson** <ejohnson@lan-tel.com>
Date: Sun, Sep 7, 2014 at 10:13 PM
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Michael Kane
Regional Planner
Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-4323 | Cell: 617-895-7215
michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 12, 2015 10:24 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: BONET Connections for CIMS Boston Police

I plan on getting some funding from CIS so yes and it is 12K cut the region a break!

On Thu, Feb 12, 2015 at 10:19 AM, Eric Johnson<ejohnson@lan-tel.com> wrote:

Mike this will bring over the 600k threshold. Is this ok?

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 12, 2015 10:05 AM
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Cc: Murphy, Andrew; John Bartolomucci
Subject: MK: BONET Connections for CIMS Boston Police

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Date: Sun, Sep 7, 2014 at 10:13 PM
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To: Michael Kane <michael.kane@boston.gov>, Michael Kane <Michael.Kane@cityofboston.gov>
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Mike

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Respectfully ,

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Project Manager

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michael.kane@boston.gov

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>
Sent: Thursday, February 12, 2015 11:09 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: RE: 2015 CIMS Upgrade Proposal
Attachment(s): "CIMS 2015 Upgrade Project Proposal.pdf"

Hi Mike,

Here is the revised proposal for the CIMS upgrade.

Thanks,
Vickie

From: Eric Johnson
Sent: Thursday, February 12, 2015 9:54 AM
To: Michael Kane
Cc: Michael Kane; Deirdre Habershaw; John Bartolomucci; Vickie Balaschi
Subject: 2015 CIMS Upgrade Proposal

Mike:
Here is our proposal for the system wide upgrade of cameras , antennas and servers.

Respectfully ,

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ejohnson@lan-tel.com
www.lan-tel.com

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 12, 2015 4:24 PM EST

To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>

Subject: Re: 2015 CIMS Upgrade Proposal

On Thu, Feb 12, 2015 at 9:54 AM, Eric Johnson<ejohnson@lan-tel.com> wrote:

Mike:

Here is our proposal for the system wide upgrade of cameras , antennas and servers.

Respectfully ,

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Project Manager

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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 12, 2015 4:32 PM EST

To: Vickie Balaschi <Vickie Balaschi <VBalaschi@lan-tel.com>>

CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Murphy, Andrew

Subject: Re: 2015 CIMS Upgrade Proposal Revision missing Boston

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 12, 2015 4:34 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>; Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Murphy, Andrew
Subject: Re: 2015 CIMS Upgrade Proposal Revision missing Boston

Mike it should be below the total price on our word doc proposal at the end and before "Qualifications "

Sent from my iPhone

On Feb 12, 2015, at 4:32 PM, Michael Kane <michael.kane@boston.gov> wrote:

Just looked this over where is the 12K of requested Boston integration?

On Thu, Feb 12, 2015 at 11:09 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

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From: Eric Johnson
Sent: Thursday, February 12, 2015 9:54 AM
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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>
Sent: Friday, February 13, 2015 8:30 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Murphy, Andrew; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>
Subject: RE: 2015 CIMS Upgrade Proposal Revision missing Boston
Attachment(s): "CIMS 2015 Upgrade Project Proposal.pdf"

Hi Mike,

Here's the updated proposal. The Bonet integration is on page 11. Let me know if you have any question.

Thanks,
Vickie

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 12, 2015 4:32 PM
To: Vickie Balaschi
Cc: Eric Johnson; Michael Kane; Deirdre Habershaw; John Bartolomucci; Chuck Wade; Murphy, Andrew
Subject: Re: 2015 CIMS Upgrade Proposal Revision missing Boston

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michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Friday, February 13, 2015 9:49 AM EST

To: Michael Kane <Michael Kane <Michael.Kane@boston.gov>>

CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>

Subject: Proposed schedule

Attachment(s): "CIMS Upgrade schedule.doc"

Mike

My thought is to start in Brookline so we will have new equipment up for marathon. We will have two crews working simultaneously and then combine at end to

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Sent: Friday, February 13, 2015 9:49 AM EST

To: Michael Kane <Michael Kane <Michael.Kane@boston.gov>>

CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>

Subject: Proposed schedule

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From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 13, 2015 9:57 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Murphy, Andrew; brenda. jones <brenda.jones@boston.gov>>
Subject: Fwd: Proposed schedule
Attachment(s): "CIMS Upgrade schedule.doc"

We need Quincy done sooner if possible.

----- Forwarded message -----

From: **Eric Johnson** <ejohnson@lan-tel.com>
Date: Fri, Feb 13, 2015 at 9:49 AM
Subject: Proposed schedule
To: Michael Kane <Michael.Kane@boston.gov>
Cc: John Bartolomucci <jbarts@lan-tel.com>, Vickie Balaschi <VBalaschi@lan-tel.com>

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Subject: Re: Proposed schedule

We will flip with Winthrop

Sent from my iPhone

On Feb 13, 2015, at 9:57 AM, Michael Kane <michael.kane@boston.gov> wrote:

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Subject: Proposed schedule

To: Michael Kane <Michael.Kane@boston.gov>

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michael.kane@boston.gov

<CIMS Upgrade schedule.doc>

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 13, 2015 12:05 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Proposed schedule

Thanks

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

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Sent: Friday, February 13, 2015 12:13 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Re: Proposed schedule

I will resend

Sent from my iPhone

On Feb 13, 2015, at 12:07 PM, Michael Kane <michael.kane@boston.gov> wrote:

Thanks

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

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michael.kane@boston.gov

<CIMS Upgrade schedule.doc>

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 13, 2015 12:18 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Proposed schedule

Thank you

Michael Kane
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Office of Emergency Management
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michael.kane@boston.gov

<CIMS Upgrade schedule.doc>

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 13, 2015 1:32 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Murphy, Andrew; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; John Bartolomucci < John Bartolomucci <jbarts@lan-tel.com>>; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>
Subject: Adjusted Proposed schedule with Quincy Edit
Attachment(s): "CIMS Upgrade schedule.doc"

From: Eric Johnson
Sent: Friday, February 13, 2015 10:13 AM
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----- Forwarded message -----

From: **Eric Johnson** <ejohnson@lan-tel.com>

Date: Fri, Feb 13, 2015 at 9:49 AM

Subject: Proposed schedule

To: Michael Kane <Michael.Kane@boston.gov>

Cc: John Bartolomucci <jbarts@lan-tel.com>, Vickie Balaschi <VBalaschi@lan-tel.com>

Mike

My thought is to start in Brookline so we will have new equipment up for marathon. We will have two crews working simultaneously and then combine at end to

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

<CIMS Upgrade schedule.doc>



LAN-TEL Communications, Inc.
 1400 Providence Highway
 Building #2, Suite 2000
 Norwood, MA 02062
 Phone: 781.551.8599
 Fax: 781.551.8667
 www.lan-tel.com

CIMS Projected Work Schedule

LOCATION	START DATE	COMPLETION DATE	HOURS
Brookline	16-Mar	9-Apr	152
Quincy	16-Mar	7-Apr	
140			
Somerville	10-Apr	29-Apr	108
Everett	8-Apr	8-May	
182			
Revere	30-Apr	1-Jun	
192			
Winthrop	11-May	27-May	104
Chelsea	28-May	28-Jul	339
TOTAL			1,217

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Wednesday, February 18, 2015 3:14 PM EST

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Nisbet <Eric Nisbet <ENisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Michael French <Michael French <MFrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Good afternoon all. I believe when we last left things Nikhil needed some information pertaining to the DVTEL servers. Just checking to see if we've made any progress on that front. Thanks.

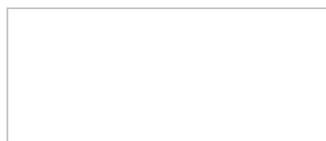
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Wed, Feb 11, 2015 at 3:34 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

Thanks Chuck and Christian for setting up the VPN.

Andrew,

For the next step, I would like to provision Notification Engine for Chelsea coverage area (as we decided to do this first). I need DVTEL server details like what packet type and channel type they support. As per as our Boston setup, I've channel type as socket and packet type as INCIUPD. Do we want to use the same configuration ? Please confirm.

Thanks,

Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]

Sent: Tuesday, February 10, 2015 3:41 PM

To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French

Cc: Andrew Murphy; Fred Goldstein; Colin Strutt

Subject: PSnet: Communications established for ShotSpotter Notification service

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

If any communications problems are encountered, I can assist in debugging. Note that ShotSpotter can initiate pings to the DVTEL servers, but it is not possible to ping the ShotSpotter notification engine from the DVTEL servers at this time, due to the current configuration of NAT rules on both the PSnet and ShotSpotter firewalls.

Finally, I will note that this communications setup can be easily extended to allow communications to other DVTEL servers reachable on PSnet.

I also want to thank Christian Lahti for pushing through the changes required to get this working from the ShotSpotter end. Getting this type of secure communication working with different firewalls and configurations on the two ends is

generally a challenge, but we worked through the issues pretty efficiently, and I have a better understanding now of how the network is configured at their Richmond data center.

If there are any questions, I'll do my best to address them...
...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, February 18, 2015 5:14 PM EST
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Andrew

My mistake being a bit tardy. Playing catch up . We are talking with Dvtel support on this to expedite .

Sent from my iPhone

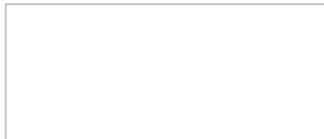
On Feb 18, 2015, at 3:15 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

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Andrew Murphy
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From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Tuesday, February 10, 2015 3:41 PM
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From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Wednesday, February 18, 2015 5:17 PM EST

To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Thanks so much Eric.

Andrew Murphy
Regional Planner

City of Boston
Office of Emergency Management

Sent from my iPhone

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www.interisle.net

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 19, 2015 1:07 PM EST

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>

Subject: MK: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Attachment(s): "Lan-Tel contract 39618 amendment 2.pdf", "Certificate_of_Authority_-_Form_CM-06 Lan-Tel.pdf"

Hi Kate,

To get the upgrade work done expeditiously, I am increasing our current contract 39618 by \$1,450,000.00 which will include both my available funding years.

Please sign in the attached documents in blue ink, scan them back to me, and send me the originals for my legal team.

I plan on cutting you a po for the upgrades very shortly once I get these docs approved internally by legal.

Look forward to kicking this project off my March 1st, 2015.

Any questions, please give me a call.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, February 19, 2015 4:42 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: RE: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000
Attachment(s): "DOC021915-001.pdf"

Hi Mike,

The signed documents are attached. The originals will go out in tomorrow's mail to your attention. We are looking forward to completing this work and we'll reach out to you prior to the start of this phase of the project so we are clear on any reporting requirements/documentation required as the project progresses.

Many thanks,

Kate

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 19, 2015 1:08 PM
To: Kate Waldron
Cc: John Bartolomucci; Eric Johnson; Deirdre Habershaw
Subject: MK: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

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Phone: 617-635-4323 | Cell: 617-895-7215
michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 19, 2015 4:43 PM EST

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Thanks Kate. Did you sign this in Blue?

On Thu, Feb 19, 2015 at 4:42 PM, Kate Waldron<kwaldron@lan-tel.com> wrote:

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michael.kane@boston.gov

--

Michael Kane

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michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, February 19, 2015 4:44 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: RE: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000
No, everything is in black. Do you need it in blue?

From: Michael Kane [<mailto:michael.kane@boston.gov>]
Sent: Thursday, February 19, 2015 4:44 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 19, 2015 4:56 PM EST

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Yes sorry I wrote it in the email. See below Thanks

Mike

On Thu, Feb 19, 2015 at 4:44 PM, Kate Waldron<kwaldron@lan-tel.com> wrote:

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From: Michael Kane [mailto:michael.kane@boston.gov]

Sent: Thursday, February 19, 2015 1:08 PM

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michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, February 19, 2015 5:02 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: RE: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000
Sorry == I missed that. I will get it redone in blue in the am and still have it in tomorrow's mail.

kw

From: Michael Kane [<mailto:michael.kane@boston.gov>]
Sent: Thursday, February 19, 2015 4:57 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Yes sorry I wrote it in the email. See below Thanks

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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, February 19, 2015 5:03 PM EST

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Thanks so much. I just dont want it rejected.

On Thu, Feb 19, 2015 at 5:02 PM, Kate Waldron<kwaldron@lan-tel.com> wrote:

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kw

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Sent: Thursday, February 19, 2015 4:57 PM

To: Kate Waldron

Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

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michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Friday, February 20, 2015 8:21 AM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: signed contract - take 2 with blue ink
Attachment(s): "DOC022015.pdf"

Pending another disastrous storm this weekend, you should have the originals early next week.

Have a great weekend!

Kate

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 19, 2015 5:03 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Thanks so much. I just dont want it rejected.

On Thu, Feb 19, 2015 at 5:02 PM, Kate Waldron <kwaldron@lan-tel.com> wrote:
Sorry == I missed that. I will get it redone in blue in the am and still have it in tomorrow's mail.

kw

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 19, 2015 4:57 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Yes sorry I wrote it in the email. See below Thanks

Mike

On Thu, Feb 19, 2015 at 4:44 PM, Kate Waldron <kwaldron@lan-tel.com> wrote:
No, everything is in black. Do you need it in blue?

From: Michael Kane [mailto:michael.kane@boston.gov]
Sent: Thursday, February 19, 2015 1:08 PM
To: Kate Waldron
Cc: John Bartolomucci; Eric Johnson; Deirdre Habershaw
Subject: MK: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Hi Kate,

To get the upgrade work done expeditiously, I am increasing our current contract 39618 by \$1,450,000.00 which will include both my available funding years.

Please sign in the attached [documents in blue ink](#), scan them back to me, and send me the originals for my legal team.

I plan on cutting you a po for the upgrades very shortly once I get these docs approved internally by legal.

Look forward to kicking this project off my March 1st, 2015.

Any questions, please give me a call.

Mike

--

Michael Kane
Regional Planner
Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)
michael.kane@boston.gov

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Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)
michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 20, 2015 8:28 AM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: MK : LanTel signed amendment contract - take 2 with blue ink

Awesome thanks Kate.

Stay warm and have a great weekend. I'll let you know when the amendment is completed.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

> On Feb 20, 2015, at 8:21 AM, Kate Waldron <kwaldron@lan-tel.com> wrote:

>
> Pending another disastrous storm this weekend, you should have the originals early next week.

> Have a great weekend!

> Kate

> From: Michael Kane [<mailto:michael.kane@boston.gov>]

> Sent: Thursday, February 19, 2015 5:03 PM

> To: Kate Waldron

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> michael.kane@boston.gov<mailto:michael.kane@boston.gov>
> <DOC022015.pdf>

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Friday, February 20, 2015 9:03 AM EST

To: Michael Kane <Michael Kane <Michael.Kane@cityofboston.gov>>; Michael Kane <Michael Kane <michael.kane@boston.gov>>

Subject: Vidsys /Dvtel

It is my understanding that Vidsys cannot make a connection to the latest version of Dvtel . We are puzzled because it has been working for 2 years up until the past marathon .

BPD is getting frustrated because of this , and their answer is too switch entirely over to Genetech . Which could have ramifications for maint funding and CIMS as a single platform and having to answer to two vendors .

We were just finally brought in since Vidsys finally reached out to Dvtel . We are also hearing that Vidsys is not doing good as a company as a whole .

We are trying to help in every way but it appears to be a Vidsys problem.

We are concerned because of the possible change in software by BPD because they are purely changing to view cameras and it is not based on performance since we have a 99 percent uptime . I see we are being possibly penalized because of another vendors shortcomings. Lantel and myself have personally have always put BPD in the highest regard for priority and attention and I wouldn't want that relationship to be damaged.

Sent from my iPhone

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 20, 2015 9:13 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Vidsys /Dvtel

Perfect. Thank you.

On Fri, Feb 20, 2015 at 9:03 AM, Eric Johnson<ejohnson@lan-tel.com> wrote:

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michael.kane@boston.gov

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Friday, February 20, 2015 12:56 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>
CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: RE: PSnet: Communications established for ShotSpotter Notification service
Attachment(s): "DVTEL-ShotSpotter Integration Manual2.pdf"

DVTEL AIC replied that the answers to these and other questions are in the manual. You probably didn't get a copy of the integration manual so I am forwarding a copy here. Your assumptions are confirmed on Pages 7 and 8.

Eric



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Wednesday, February 11, 2015 3:34 PM
To: Chuck Wade; Christian Lahti; Eric W. Nisbet; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Chuck and Christian for setting up the VPN.
Andrew,

For the next step, I would like to provision Notification Engine for Chelsea coverage area (as we decided to do this first). I need DVTEL server details like what packet type and channel type they support. As per as our Boston setup, I've channel type as socket and packet type as INCIUPD. Do we want to use the same configuration ? Please confirm.

Thanks,
Nikhil

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Tuesday, February 10, 2015 3:41 PM
To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: PSnet: Communications established for ShotSpotter Notification service

Folks,

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data center.

If there are any questions, I'll do my best to address them...

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Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Friday, February 20, 2015 1:01 PM EST

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>

CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>

Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Eric. I'll get the Notification Engine provisioned to simulated test environment, once you confirm the receipt of the Shotspotter alerts I'll connect it to the production DB.

Is the server on your end provisioned to receive the alerts?

Thanks,
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Sent: Friday, February 20, 2015 9:57 AM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Eric Johnson; Mike French

Cc: Andrew Murphy; Fred Goldstein; Colin Strutt

Subject: RE: PSnet: Communications established for ShotSpotter Notification service

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Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Yes it is.

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Friday, February 20, 2015 1:01 PM
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LAN-TEL
COMMUNICATIONS, INC.
WWW.LAN-TEL.COM

Eric Nisbet
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.551.8599
Fax: 781.551.8667
Cell: 781.760.8505



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To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Andrew Murphy <Andrew Murphy <Andrew.Murphy@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: PSnet: Communications established for ShotSpotter Notification service
Attachment(s): "image001.jpg"

Nikhil
Can you possibly provide a footprint of a map of Chelsea on the coverage of the sensors ? We are putting in the presets for the cameras with GPS locations and we wondering where the SS coverage overlays with the camera locations ? We can do all cameras , but if we can determine on which cameras will move , it will help us a bit .

Sent from my iPhone

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+1 508 277-6439 Mobile
www.interisle.net

From: Michael Kane <michael.kane@boston.gov>
Sent: Monday, February 23, 2015 9:22 AM EST
To: Patrick Johnston <Patrick Johnston <Patrick.Johnston@cityofeverett.org>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@cityofboston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: MK: Upgrade of Everett CIMS CONFIMRED

Thanks Pat.

On Mon, Feb 23, 2015 at 9:20 AM, Patrick Johnston<Patrick.Johnston@cityofeverett.org> wrote:

Dear Michael,

This is to inform you that Everett would like to proceed with the camera/antenna upgrades based on the audit findings.

Thank you for your assistance in this matter.

Officer Patrick Johnston

Everett Police Department

Homeland Security-Special Projects

[617-394-2462](tel:617-394-2462) (office)

[617-905-3747](tel:617-905-3747) (cell)

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--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)

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Sent: Monday, February 23, 2015 10:27 AM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: PSnet: Communications established for ShotSpotter Notification service

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Can you possibly provide a footprint of a map of Chelsea on the coverage of the sensors ? We are putting in the presets for the cameras with GPS locations and we wondering where the SS coverage overlays with the camera locations ? We can do all cameras , but if we can determine on which cameras will move , it will help us a bit .

Sent from my iPhone

On Feb 20, 2015, at 1:02 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Yes it is.

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Friday, February 20, 2015 1:01 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Eric. I'll get the Notification Engine provisioned to simulated test environment, once you confirm the receipt of the Shotspotter alerts I'll connect it to the production DB.
Is the server on your end provisioned to receive the alerts?

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Friday, February 20, 2015 9:57 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

DVTel AIC replied that the answers to these and other questions are in the manual. You probably didn't get a copy of the integration manual so I am forwarding a copy here. Your assumptions are confirmed on Pages 7 and 8.

Eric

<image001.jpg>

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Wednesday, February 11, 2015 3:34 PM
To: Chuck Wade; Christian Lahti; Eric W. Nisbet; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Chuck and Christian for setting up the VPN.
Andrew,

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Thanks,
Nikhil

From: Chuck Wade [<mailto:Chuck@Interisle.net>]
Sent: Tuesday, February 10, 2015 3:41 PM
To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt

Subject: PSnet: Communications established for ShotSpotter Notification service

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

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If there are any questions, I'll do my best to address them...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>
Sent: Monday, February 23, 2015 2:24 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

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Can you please work on this and get me the required approvals from all 4 agencies.

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Sent: Tuesday, February 10, 2015 3:41 PM

To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French

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Subject: PSnet: Communications established for ShotSpotter Notification service

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If there are any questions, I'll do my best to address them...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Scott Wilder <swilder@brooklinema.gov>
Sent: Monday, February 23, 2015 2:37 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: CISM's upgrade

Hi Mike,

I would like to have Lan-Tel proceed at tackling the issues that are outlined in the audit, to upgrade\replace cameras, antennas and servers for Brookline's CISM's network.

The Boston Marathon is getting closer by the day, and would like to address Lantel to focus on these upgrades first along the Marathon route.

The sooner they can proceed the better.

Thank You,
Scott

Officer Scott Wilder
Director of Technology
Brookline Police Department
350 Washington Street
Brookline, MA. 02445-6800
Office : 617-730-2259
swilder@brooklinema.gov

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From: Monziona, Pam <PMonziona@chelseama.gov>
Sent: Monday, February 23, 2015 2:39 PM EST
To: Michael Kane <'Michael Kane' <michael.kane@boston.gov>>
CC: Eric Johnson <'Eric Johnson' <ejohnson@Lan-Tel.com>>
Subject: RE: Camera Upgrade

Hi Mike,

I spoke with Eric and am in agreement that we need to upgrade the system with new cameras/antennas and servers as the consultant recommended in the analysis. Please let me know if you need anything else. Thanks/Pam

-----Original Message-----

From: Eric Johnson [<mailto:ejohnson@Lan-Tel.com>]
Sent: Friday, February 20, 2015 5:26 PM
To: Monziona, Pam
Subject: Camera Upgrade

Pam
Could you email Mike Kane and explain that you would like to pursue the camera / antenna / upgrade based on the audit findings?

Thanks
Eric

Sent from my iPhone

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Monday, February 23, 2015 2:40 PM EST

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>

Subject: Fwd: PSnet: Communications established for ShotSpotter Notification service

Hi Nikhil. I will forward the approvals from each jurisdiction as I receive them. Please see the approval from Everett Police below. Thanks.

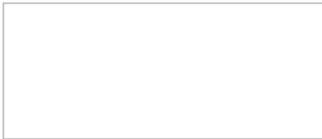
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



----- Forwarded message -----

From: Patrick Johnston <Patrick.Johnston@cityofeverett.org>

Date: Mon, Feb 23, 2015 at 2:36 PM

Subject: RE: PSnet: Communications established for ShotSpotter Notification service

To: Andrew Murphy <andrew.murphy@boston.gov>

The City of Everett authorizes Shotspotter to releaser the sensor locations to Lan-Tel Communications for the purpose of integrating the CIMS camera system with Shotspotter.

Thank you.

Officer Patrick Johnston

Everett Police Department

Homeland Security-Special Projects

[617-394-2462](tel:617-394-2462) (office)

[617-905-3747](tel:617-905-3747) (cell)

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From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, February 23, 2015 2:29 PM

To: Michael Kiely; James Stanford; Pam Monziona; David Batchelor; Patrick Johnston; James Guido

Subject: Fwd: PSnet: Communications established for ShotSpotter Notification service

Good afternoon Shotspotter users. We are working to tie the CIMS cameras into the Shotspotter network. In order to do this we need approval from each of your jurisdictions so Shotspotter can release the sensor locations to Lan-Tel. They need the sensor locations so they know which cameras to pre-program with coordinates when a gunshot is detected. When you have a moment please reply to this email with your approval and I will forward to Shotspotter. Thank you very much.

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Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



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Date: Mon, Feb 23, 2015 at 2:24 PM
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Cc: Chuck Wade <Chuck@interisle.net>, Christian Lahti <clahti@shotspotter.com>, Mike French <mfrench@lan-tel.com>, Andrew Murphy <andrew.murphy@boston.gov>, Fred Goldstein <Fred@interisle.net>, Colin Strutt <Colin@interisle.net>

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[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Michael Kane <michael.kane@boston.gov>

Sent: Monday, February 23, 2015 2:46 PM EST

To: Monziona, Pam

CC: John Cowhig <jcowhig@chelseama.gov>; Robert Griffin <RGriffin@chelseama.gov>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: MK: Chelsea Camera Upgrade

Thanks Pam will do.

On Mon, Feb 23, 2015 at 2:39 PM, Monziona, Pam <PMonziona@chelseama.gov> wrote:

Hi Mike,

I spoke with Eric and am in agreement that we need to upgrade the system with new cameras/antennas and servers as the consultant recommended in the analysis. Please let me know if you need anything else. Thanks/Pam

-----Original Message-----

From: Eric Johnson [mailto:ejohnson@Lan-Tel.com]

Sent: Friday, February 20, 2015 5:26 PM

To: Monziona, Pam

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Pam

Could you email Mike Kane and explain that you would like to pursue the camera / antenna / upgrade based on the audit findings?

Thanks

Eric

Sent from my iPhone

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Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Monday, February 23, 2015 2:48 PM EST
To: Scott Wilder <swilder@brooklinema.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
Subject: MK: Brookline CISM upgrade confirmed

Thanks Det. We will get on this.

Mike

On Mon, Feb 23, 2015 at 2:37 PM, Scott Wilder<swilder@brooklinema.gov> wrote:

Hi Mike,

I would like to have Lan-Tel proceed at tackling the issues that are outlined in the audit, to upgrade\replace cameras, antennas and servers

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The Boston Marathon is getting closer by the day, and would like to address Lantel to focus on these upgrades first along the Marathon route.

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Officer Scott Wilder

Director of Technology

Brookline Police Department

350 Washington Street

Brookline, MA. 02445-6800

Office : [617-730-2259](tel:617-730-2259)

swilder@brooklinema.gov

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Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)

michael.kane@boston.gov

From: Scott Wilder <swilder@brooklinema.gov>
Sent: Monday, February 23, 2015 2:56 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
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Sent: Monday, February 23, 2015 3:58 PM EST

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Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Andrew,

Just to be clear, we can share the Shotspotter coverage area but not the sensor locations.

Nikhil

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, February 23, 2015 11:40 AM

To: Nikhil Mehta; Eric Johnson; Chuck Wade; Christian Lahti; Mike French; Fred Goldstein; Colin Strutt

Subject: Fwd: PSnet: Communications established for ShotSpotter Notification service

Hi Nikhil. I will forward the approvals from each jurisdiction as I receive them. Please see the approval from Everett Police below. Thanks.

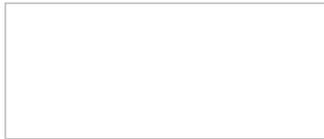
Andrew

Andrew Murphy
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Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



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Eric,
Sorry for the delay in response. I will need approvals from the agencies to share the Shotspotter coverage area with the Camera vendors.

Andrew,
Can you please work on this and get me the required approvals from all 4 agencies.

Thanks,
Nikhil

From: Eric Johnson [mailto:ejohnson@Lan-Tel.com]
Sent: Monday, February 23, 2015 7:27 AM
To: Nikhil Mehta
Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Mike French; Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Nikhil
Can you possibly provide a footprint of a map of Chelsea on the coverage of the sensors ? We are putting in the presets for the cameras with GPS locations and we wondering where the SS coverage overlays with the camera locations ? We can do all cameras , but if we can determine on which cameras will move , it will help us a bit .

Sent from my iPhone

On Feb 20, 2015, at 1:02 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Yes it is.

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Friday, February 20, 2015 1:01 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Eric. I'll get the Notification Engine provisioned to simulated test environment, once you confirm the receipt of the Shotspotter alerts I'll connect it to the production DB.
Is the server on your end provisioned to receive the alerts?

Thanks,
Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Friday, February 20, 2015 9:57 AM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

DVTel AIC replied that the answers to these and other questions are in the manual. You probably didn't get a copy of the integration manual so I am forwarding a copy here. Your assumptions are confirmed on Pages 7 and 8.

Eric

<image001.jpg>

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Wednesday, February 11, 2015 3:34 PM
To: Chuck Wade; Christian Lahti; Eric W. Nisbet; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

Thanks Chuck and Christian for setting up the VPN.

Andrew,

For the next step, I would like to provision Notification Engine for Chelsea coverage area (as we decided to do this first). I need DVTEL server details like what packet type and channel type they support. As per as our Boston setup, I've channel type as socket and packet type as INCIUPD. Do we want to use the same configuration ? Please confirm.

Thanks,
Nikhil

From: Chuck Wade [<mailto:Chuck@Interisle.net>]
Sent: Tuesday, February 10, 2015 3:41 PM
To: Nikhil Mehta; Christian Lahti; Eric Nisbet; Eric Johnson; Michael French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: PSnet: Communications established for ShotSpotter Notification service

Folks,

I wanted to confirm that we now have communications established between the ShotSpotter notification service and the Everett, Revere, Chelsea, and Somerville DVTEL servers. Since the notification service initiates (pushes) http requests to the DVTEL servers, it will be necessary to coordinate testing between ShotSpotter staff and the DVTEL experts (i.e., Eric Nisbet, Michael French).

If any communications problems are encountered, I can assist in debugging. Note that ShotSpotter can initiate pings to the DVTEL servers, but it is not possible to ping the ShotSpotter notification engine from the DVTEL servers at this time, due to the current configuration of NAT rules on both the PSnet and ShotSpotter firewalls.

Finally, I will note that this communications setup can be easily extended to allow communications to other DVTEL servers reachable on PSnet.

I also want to thank Christian Lahti for pushing through the changes required to get this working from the ShotSpotter end. Getting this type of secure communication working with different firewalls and configurations on the two ends is generally a challenge, but we worked through the issues pretty efficiently, and I have a better understanding now of how the network is configured at their Richmond data center.

If there are any questions, I'll do my best to address them...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

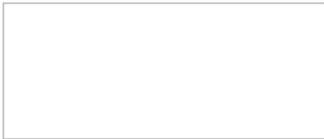
From: Andrew Murphy <andrew.murphy@boston.gov>
Sent: Wednesday, February 25, 2015 1:34 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>>; Mike French <Mike French <mfrench@lan-tel.com>>>; Colin Strutt <Colin Strutt <colin@interisle.net>>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>>
Subject: Fwd: PSnet: Communications established for ShotSpotter Notification service

Hi Nikhil. Please see below Chelsea's approval to share their coverage area. I will forward Somerville and Revere once I have them. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



----- Forwarded message -----

From: Monzione, Pam <PMonzione@chelseama.gov>
Date: Wed, Feb 25, 2015 at 1:31 PM
Subject: RE: PSnet: Communications established for ShotSpotter Notification service
To: Andrew Murphy <andrew.murphy@boston.gov>
Cc: "Batchelor, David" <DBatchelor@chelseama.gov>

I spoke with Dave Batchelor and he said that we want ShotSpotter to integrate with the cameras.

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]
Sent: Wednesday, February 25, 2015 9:08 AM
To: Michael Kiely; James Stanford; Monzione, Pam; Batchelor, David; James Guido
Subject: Re: PSnet: Communications established for ShotSpotter Notification service

Good morning again everyone. I received confirmation from Everett but am still waiting on Chelsea, Revere, and Somerville to approve Shotspotter providing the coverage area to LanTel. Please let me know as soon as possible. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Mon, Feb 23, 2015 at 2:29 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Good afternoon Shotspotter users. We are working to tie the CIMS cameras into the Shotspotter network. In order to do this we need approval from each of your jurisdictions so Shotspotter can release the sensor locations to Lan-Tel. They need the sensor locations so they know which cameras to pre-program with coordinates when a gunshot is detected. When you have a moment please reply to this email with your approval and I will forward to Shotspotter. Thank you very much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov

----- Forwarded message -----

From: **Nikhil Mehta** <nmehta@shotspotter.com>
Date: Mon, Feb 23, 2015 at 2:24 PM
Subject: RE: PSnet: Communications established for ShotSpotter Notification service
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Chuck Wade <Chuck@interisle.net>, Christian Lahti <clahti@shotspotter.com>, Mike French <mfrench@lan-tel.com>, Andrew Murphy <andrew.murphy@boston.gov>, Fred Goldstein <Fred@interisle.net>, Colin Strutt <Colin@interisle.net>

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If there are any questions, I'll do my best to address them...

...Chuck

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Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Eric W. Nisbet <enisbet@lan-tel.com>

Sent: Wednesday, February 25, 2015 2:28 PM EST

To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>

Subject: Shot Spotter Integration Update

I currently have the Shot Spotter integration software loaded in Somerville, Chelsea, and Everett. There is a technical issue loading it on the Revere server and I am getting with DVTel support to take care of that.

GPS coordinates have been loaded on all of the PTZ cameras on Chelsea and Somerville. We weren't able to get a coverage area so we did them all. Everett and Revere will follow in the next week.

Each camera has to have 8 presets loaded into it. Preset 51 is North. 52 is North East and so on around the compass. As you might imagine, this takes a bit of doing with DVTel on one screen and Google Earth on the other. I will complete the presets for Chelsea tomorrow and move right on to Somerville. Everett and Revere to follow.

By the end of the day tomorrow, we will be ready to do a live test of the Shot Spotter system in Chelsea. Somerville should be by early next week.

If you have any questions or concerns, please don't hesitate to contact me.

Eric



Eric Nisbet

1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.551.8599
Fax: 781.551.8667
Cell: 781.760.8505



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Wednesday, February 25, 2015 3:17 PM EST

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>

Subject: RE: Shot Spotter Integration Update

Attachment(s): "ChelseaMA_CoverageArea.zip", "EverettMA_CoverageArea.zip"

Hi Eric,

Find attach the coverage area shape files for the Chelsea and Everett. I'll send the others as we get the approval from the PD.

If you'll ready to test for the Chelsea by Friday, then let's have on call on Friday to go over the setup details. Let me know if 11:00 a.m. PST works for you.

Thanks,
Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Wednesday, February 25, 2015 11:28 AM

To: Andrew Murphy; Eric Johnson

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Mike French; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: Shot Spotter Integration Update

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Cell: 781.760.8505



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From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 26, 2015 5:05 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: MK: Contract Revision

Hi Kate,

I never received the paperwork? How did you send it and can you drop me a line tomorrow.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, February 26, 2015 5:12 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: RE: Contract Revision

I put it in regular mail the day after you sent it. We always seem to have this problem when we send you mail. Is it in your mailroom by any chance?

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Phone: 617-635-4323 | Cell: 617-895-7215
michael.kane@boston.gov

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, February 26, 2015 5:13 PM EST
To: Mike Kane <Mike Kane <michael.kane@boston.gov>>
Subject: FW: signed contract - take 2 with blue ink
Attachment(s): "DOC022015.pdf"

Mike - they went out in the mail, which is taken by our mailman, last Friday morning.

kw

From: Kate Waldron
Sent: Friday, February 20, 2015 8:22 AM
To: 'Michael Kane'
Subject: signed contract - take 2 with blue ink

Pending another disastrous storm this weekend, you should have the originals early next week.

Have a great weekend!

Kate

From: Michael Kane [<mailto:michael.kane@boston.gov>]
Sent: Thursday, February 19, 2015 5:03 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Thanks so much. I just dont want it rejected.

On Thu, Feb 19, 2015 at 5:02 PM, Kate Waldron <kwaldron@lan-tel.com> wrote:
Sorry == I missed that. I will get it redone in blue in the am and still have it in tomorrow's mail.

kw

From: Michael Kane [<mailto:michael.kane@boston.gov>]
Sent: Thursday, February 19, 2015 4:57 PM
To: Kate Waldron
Subject: Re: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Yes sorry I wrote it in the email. See below Thanks

Mike

On Thu, Feb 19, 2015 at 4:44 PM, Kate Waldron <kwaldron@lan-tel.com> wrote:
No, everything is in black. Do you need it in blue?

From: Michael Kane [<mailto:michael.kane@boston.gov>]
Sent: Thursday, February 19, 2015 1:08 PM
To: Kate Waldron
Cc: John Bartolomucci; Eric Johnson; Deirdre Habershaw
Subject: MK: Lan-Tel amendment CIMS Contract 39618 for an additional \$1,450,000 total not to exceed \$2,065,000

Hi Kate,

To get the upgrade work done expeditiously, I am increasing our current contract 39618 by \$1,450,000.00 which will include both my available funding years.

Please sign in the attached [documents in blue ink](#), scan them back to me, and send me the originals for my legal team.

I plan on cutting you a po for the upgrades very shortly once I get these docs approved internally by legal.

Look forward to kicking this project off my March 1st, 2015.

Any questions, please give me a call.

Mike

--

Michael Kane

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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Thursday, February 26, 2015 5:15 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Contract Revision

Don't know will check tomorrow. For big things like this can I suggest fedex to me directly.

Will let you know what I find tomorrow.

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Michael Kane
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Subject: RE: Contract Revision

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617 895 7215

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To: Kate Waldron
Subject: Re: Contract Revision

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617-635-1400
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michael.kane@boston.gov

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Regards,

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617 635 4323
617 895 7215

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 27, 2015 8:31 AM EST
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
BCC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Mk: CIMS / PSnet: Draft Scope of Work for Quincy extensions

Roger that Chuck. I'll get this back to you today.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

On Feb 26, 2015, at 10:51 PM, Chuck Wade <Chuck@interisle.net> wrote:

Michael,

Can you look over this draft Scope of Work and advise me on any changes you want included. I will address this to Joe Pepjonovich, Bob Gillan, and Eric Ricciardi, all with the City of Quincy. Once they approve, we'll run this by the other players as appropriate.

Proposed Scope of Work for Quincy Network Extensions and new Camera Deployments

This SoW outlines responsibilities and tasking for the following contributing parties:

- MBHSR and the Boston Office of Emergency Management (MBHSR)
- The City of Quincy Police, Fire, and IT Departments (Quincy)
- Interisle Consulting and PSnet (Interisle)
- Comm-Tract
- LAN-TEL
- FTG Technologies (FTG)

These parties will operate in a coordinated manner to execute the tasks outlined below in an expeditious manner. Interisle will work with both MBHSR and the City of Quincy to coordinate tasks and confirm completion to agreed standards.

The major areas of tasking include:

A: Extension of Quincy fiber optic network to reach the Police Marina at 136 Bay View Avenue

Comm-Tract will perform the following tasks:

1. A new 48-strand SM fiber cable will be strung on utility poles within the designated municipal space from the existing splice point at the intersection of Sea and Palmer Streets out to the Police Marina at 136 Bay View Avenue. At every 1,500 feet along this route, 100 foot slack loops will be installed to enable future fiber interconnects.
2. The new cable identified in 1 above will be spliced into the existing 96-strand SM fiber cable between the Sea and Palmer splice point, and the splice point at Sea Street and Chickatabot Road.
3. A total of six strands of fiber will be spliced through from the 2nd floor server room at the Police Headquarters to the Police Marina, traversing the splice points on Sea Street identified in 2 above.
4. In the 2nd floor server room at the Police HQ, a new 4U rack mount housing for fiber termination and patching will be installed. The six strands that are spliced through to the Police Marina will be terminated on a coupler (patch) panel that will be housed in this new unit. SC connectors will be used on the coupler panel
5. A new fiber termination and patch panel will be installed at the Police Marina. The six strands of SM fiber that connect back to the Police HQ will be terminated on this fiber patch panel. The termination/patch panel will be installed inside the Police Marina at a location to be defined by the City of Quincy. SC connectors will be used to patch into the fiber.

6. The fiber and splices will be tested using OTDR and power meters at 1310nm and 1550nm wavelengths, with test results provided to the City. In particular, the six strands that will be terminated at the Police Marina will be fully tested and qualified back to the termination/patch point in the Police server room.

Note that Comm-Tract has provided a more detailed Scope of Work for these tasks and deliverables.

In support of this fiber deployment, Quincy will provide rack space in the Police HQ server room for the 4U housing for fiber termination, and a rack for the termination/patch panel at the Police Marina. The rack at the Police Marina should also be sufficient to hold network switches and a UPS and PDU.

B: Video Distribution Switches at Quincy Police HQ

Three new Ethernet distribution switches will be provided and deployed at the Police HQ for workstation access to video servers and for other internal communications purposes. FTG will supply the switches, and will support Quincy IT in the initial deployment and configuration of these switches at the Police HQ.

FTG will supply three Cisco WS-C2960X-24PS-L switches with 24 10/100/1000BaseT copper ports, each with PoE capability. Each switch also has four SFP ports for fiber connections to the core switch at the Police HQ in the server room. These switches will be provided with the Cisco standard 1 year bundled warranty.

Quincy IT will be responsible for connecting workstations to these switches, and for integrating these switches into their existing 3750G switch stack at Police HQ.

C: Deploy four new PTZ Camera Sites using Existing Cameras with Microwave or Fiber Backhaul Communications

LAN-TEL will furnish and deploy camera mounts plus all power and communications wiring with associated conduits at four sites as follows:

1. Police Marina at 136 Bay View Avenue. The camera mount will either be on the roof of the Police Marina, or on a pole nearby, as determined by consultation with Lt. Gillan with Quincy Police. Communications will be back to the Police Marina, and will use the new fiber for communications to the video recording systems at Police HQ.
2. Pageant Field across Vietnam Veterans Drive from the Quincy Recreation and Forestry Offices. The camera mount will likely be on an existing pole in this field, to be determined in consultation with Quincy Police. Camera communications will be back to the Recreation Offices, where there is existing fiber termination and PSnet switches for communication back to Police HQ.
3. Pagano Tower, Quincy Housing Authority, 80 Clay Street. Camera mount to be deployed on the roof in accordance to guidance from Quincy Police and Housing Authority representatives. A microwave backhaul will be needed to get camera feed back to Police HQ, since there is no fiber to this building. If possible, the backhaul destination should be a fiber connected site, such as the new Central Middle School, which is nearby. Another possible backhaul site is O'Brien Towers.
4. Intersection of Newport Ave. and Beale Street. Camera to be mounted on traffic signal pole. Backhaul communications will be via microwave link. This site is near Pagano Tower, and so it may reach the same backhaul destinations. The preference would be a fiber-connected site.

Note that the City will provide the cameras, which are being redeployed from other sites.

The City of Quincy will provide bandwidth for camera backhaul communications on its fiber plant as appropriate.

D: PSnet Extensions to Police Marina and to support Camera Backhaul

Interisle will extend PSnet communications to the Police Marina utilizing the new fiber being deployed to this site. This will include:

1. Deploying and configuring PSnet Layer 2/3 at least one, but possibly two, switches at the Police Marina with fiber optic transceivers for lighting the fiber back to the Police HQ. These switches will be housed in an equipment rack to be provided by Quincy. The argument for deploying two switches is to improve resilience through redundancy, but this would only make sense if two fiber pairs are allocated.
2. Completing the fiber optic connections from the Police Marina into the PSnet switches located in the Police HQ.
3. Integrating new Police Marina switch(es) and fiber optic communications into PSnet management system for continuous monitoring.
4. Provide at least four ports for camera connections at Police Marina, and at least four additional ports for use by Quincy for internal communications to this site. City communications may be configured as a "VLAN tunnel" to provide traffic isolation and flexibility to carry multiple VLANs for different applications.
5. At Quincy's option, a refurbished UPS can be provided at the Police Marina to handle short term power interruptions. If PSnet provides this UPS, it will be integrated into the network management system for continuous monitoring and logging. If Quincy provides its own UPS, it may be possible to integrate this with PSnet management depending on brand/model/configuration.
6. For camera backhaul at other sites, Interisle will assist with integration of microwave radios and

incorporation into network management systems. Interisle will help coordinate frequency use, and will implement adequate over-the-air security measures.

E: Project Coordination

Interisle will coordinate with all players involved with these extensions and upgrades to help achieve effective system integration and resolution of any problems encountered as good plans meet the reality of actual deployments. Some specific tasks include:

1. Project status memos to MBHSR, Quincy, and the other contributors as appropriate. These memos will also advise project contributors of issues that may affect their plans/work.
2. Manage activities to best meet the needs and objectives of the MBHSR and Quincy stakeholders.
3. Serve as a central focal point for flagging issues and coordinating schedules and activities of the contributors.
4. Facilitate steps to complete qualification and acceptance of deliverables, especially where one contributor's deliverables have dependencies on deliverables or system integration provided by other players.

Project Scheduling

It is essential that all work be completed and signed off on by stakeholders prior to July 31, 2015. All invoices must also have been submitted by this date. However, it is in everyone's interest to complete this work well before this deadline.

In particular, completing the fiber out to the Police Marina is an essential deliverable that will impact many other deliverables and task scheduling. The goal will be to have the fiber deployment completed by the end of March, assuming no major weather challenges. A priority will be placed on getting this fiber deployment under way as soon as feasible.

Another short term objective will be to finalize plans for each of the camera sites, and get agreement on exactly where cameras will be mounted, how they will communicate back to Police HQ, and what additional provisions will be necessary to deliver power and communications to the cameras. It will also be important to address any concerns with building management on any internal or external wiring, and camera mounting arrangements. Any sites that will be used for camera backhaul communications will also need to be provisioned, and mounts for microwave radios planned out.

As plans are finalized for camera deployments, work can proceed on an opportunistic scheduling basis.

Presumably, the video distribution switches for the Police HQ can be procured and deployed at any time. Quincy IT should set the schedule for when these deployments will take place.

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 27, 2015 11:46 AM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Contract Revision

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From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 27, 2015 12:52 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: MK: CIMS Contract Extension

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From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, February 27, 2015 4:59 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>
Subject: Re: MK: CIMS Contract Extension received

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From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Friday, February 27, 2015 5:28 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Re: MK: CIMS Contract Extension received

Great. Gives new meaning to "snail mail!" Have a great weekend.

Kate Waldron
Director of Business Operations
LAN-TEL Communications, Inc.

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michael.kane@boston.gov

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Monday, March 02, 2015 2:02 PM EST

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Eric Nisbet <Eric Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>

Subject: Fwd: Shotspotter

Good afternoon all. Please see below Revere PD's approval to release their Shotspotter coverage area. Somerville PD has been less than responsive. I will keep prodding them. Thanks.

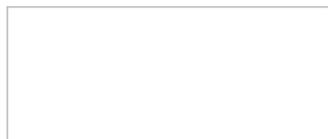
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



----- Forwarded message -----

From: Goodwin Lt Det John <jgoodwin@reverepolice.org>

Date: Mon, Mar 2, 2015 at 2:00 PM

Subject: Shotspotter

To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks
Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Monday, March 02, 2015 2:06 PM EST
To: Andrew Murphy <Andrew.Murphy@boston.gov>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>
Subject: RE: Shotspotter

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Thanks,

Eric

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]
Sent: Monday, March 02, 2015 2:03 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Fwd: Shotspotter

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From: Nikhil Mehta <nmehta@shotspotter.com>
Sent: Monday, March 02, 2015 2:08 PM EST
To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

Work for me.

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Monday, March 02, 2015 11:06 AM
To: Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

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Subject: Re: Shotspotter
Attachment(s): "smime.p7s"

Eric,

I assume that you're not having any communications issues affecting ShotSpotter notifications getting to the DVTEL servers? If you are, I'll certainly step in to resolve.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/2/15 2:06 PM, Eric W. Nisbet wrote:

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Unable to Process

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Monday, March 02, 2015 2:12 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Christian Lahti <Christian Lahti <CLahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

Haven't tried yet. Test on Wednesday will see what we have.

Eric

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Monday, March 02, 2015 2:11 PM
To: Eric W. Nisbet; Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
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From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, March 02, 2015 2:26 PM EST

To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Eric Nisbet <Eric Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>

Subject: RE: Shotspotter

Attachment(s): "RevereMA_CoverageArea.zip"

[Find attached Revere, MA Coverage area shape files.](#)

Nikhil

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, March 02, 2015 11:03 AM

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Cc: Eric Johnson; Eric Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: Fwd: Shotspotter

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Sent from my Verizon Wireless 4G LTE smartphone

From: Joe P <jpejnovich@quincyma.gov>
Sent: Monday, March 02, 2015 3:21 PM EST
To: Chuck Wade <'Chuck Wade' <Chuck@Interisle.net>>; Robert Gillan <'Robert Gillan' <RGillan@QuincyMA.gov>>; Eric Ricciardi <'Eric Ricciardi' <ERicciardi@QuincyMA.gov>>
CC: Michael Kane <'Michael Kane' <Michael.Kane@Boston.gov>>; Andrew Murphy <'Andrew Murphy' <Andrew.Murphy@Boston.gov>>; Fred Goldstein <'Fred Goldstein' <Fred@Interisle.net>>;
Colin Strutt <'Colin Strutt' <Colin@Interisle.net>>; Eric Johnson <'Eric Johnson' <ejohnson@Lan-Tel.com>>
Subject: RE: PSnet: Draft Scope of Work for Quincy extensions & camera deployments

Chuck,

Lt Bob Gillan will be providing us with the pole location for the camera that he wishes to mount on a pole on Sea St to watch vessels from Boston. The fiber loop will need to be spliced at the pole location for this camera.

Also- I did see one correctio to the SOW- The QPD data center is on the 3rd floor and not the 2nd.

Thanks,
Joe

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Sunday, March 01, 2015 9:20 PM
To: Joe Pejnovich; Robert Gillan; Eric Ricciardi
Ce: Michael Kane; Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: Re: PSnet: Draft Scope of Work for Quincy extensions & camera deployments

Joe, Bob, Eric,

There is a mistake in this memo that I failed to correct. I do know that Pagnano Towers is at 109 Curtis Avenue. An earlier search had turned up the main office of the Quincy Housing Authority, which is where the the Clay Street address came from. I think I've gotten my head around all of these locations, now.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/1/15 5:49 PM, Chuck Wade wrote:

Joe, Bob, Eric,

Can you look over this draft Scope of Work and advise me on any issues you would like to see addressed. We understand your strong desire to move forward with this work, and we intend to expedite critical tasks. Once you are comfortable with this SoW, I will circulate to all parties.

Regards...
...Chuck

Chuck Wade, Principal
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Proposed Scope of Work for Quincy PSnet Extensions and new Camera Deployments

This SoW outlines responsibilities and tasking for the following contributing parties:

- MBHSR and the Boston Office of Emergency Management (MBHSR)
- The City of Quincy Police, Fire, and IT Departments (Quincy)
- Interisle Consulting and PSnet (Interisle)
- LAN-TEL and CIMS video monitoring services
- Comm-Tract
- FTG Technologies (FTG)

These parties will operate in a coordinated manner to execute the tasks outlined below in an expeditious manner. Interisle will work with both MBHSR and the City of Quincy to coordinate tasks and confirm completion to agreed standards.

The major areas of tasking include:

A: Extension of Quincy fiber optic network to reach the Police Marina at 136 Bay View Avenue

Comm-Tract will perform the following tasks:

1. A new 48-strand SM fiber cable will be strung on utility poles within the designated municipal space from the existing splice point at the intersection of Sea and Palmer Streets out to the Police Marina at 136 Bay View Avenue. At every 1,500 feet along this route, 100 foot slack loops will be installed to enable future fiber interconnects.
2. The new cable identified in 1 above will be spliced into the existing 96-strand SM fiber cable between the Sea and Palmer splice point, and the splice point at Sea Street and Chickatabot Road.
3. A total of six strands of fiber will be spliced through from the 2nd floor server room at the Police Headquarters to the Police Marina, traversing the splice points on Sea Street identified in 2 above.
4. In the 2nd floor server room at the Police HQ, a new 4U rack mount housing for fiber termination and patching will be installed. The six strands that are spliced through to the Police Marina will be terminated on a coupler (patch) panel that will be housed in this new unit. SC connectors will be used on the coupler panel.
5. A new fiber termination and patch panel will be installed at the Police Marina. The six strands of SM fiber that connect back to the Police HQ will be terminated on this fiber patch panel. The termination/patch panel will be installed inside the Police Marina at a location to be defined by the City of Quincy. SC connectors will be used to patch into the fiber.
6. The fiber and splices will be tested using OTDR and power meters at 1310nm and 1550nm wavelengths, with test results provided to the City. In particular, the six strands that will be terminated at the Police Marina will be fully tested and qualified back to the termination/patch point in the Police server room.

Note that Comm-Tract has provided a more detailed Scope of Work for these tasks and deliverables that reflects recent alignment with City IT network plans.

In support of this fiber deployment, Quincy will provide rack space in the Police HQ server room for the 4U housing for fiber termination, and a rack to be located in a secure room for the termination/patch panel at the Police Marina. The rack at the Police Marina should also be sufficient to hold network switches along with a UPS and PDU.

B: Video Distribution Switches at Quincy Police HQ

Three new Ethernet distribution switches will be provided and deployed at the Police HQ for workstation access to video servers and for other internal communications purposes. FTG will supply the switches, and will support Quincy IT in the initial deployment and configuration of these switches at the Police HQ.

FTG will supply three Cisco WS-C2960X-24PS-L switches with 24 10/100/1000BaseT copper ports, each with PoE capability. Each switch also has four SFP ports for fiber connections to the core switch at the Police HQ in the server room. These switches will be provided with the Cisco standard 1 year bundled warranty.

Quincy IT will be responsible for connecting workstations to these switches, and for integrating these switches into their existing 3750G switch stack at Police HQ.

C: Deploy four new PTZ Camera Sites using Existing Cameras with Microwave or Fiber Backhaul Communications

LAN-TEL will furnish and deploy camera mounts plus all power and communications wiring with associated conduits at four sites as follows:

1. **Police Marina** at 136 Bay View Avenue. The camera mount will either be on the roof of the Police Marina, or on a pole nearby, as determined by consultation with Lt. Gillan with Quincy Police. Communications will be back to the Police Marina, and will use the new fiber for communications to the video recording systems at Police HQ.
2. **Pageant Field** across Vietnam Veterans Drive from the Quincy Park and Forestry Offices. The camera mount will likely be on an existing pole in this field, to be determined in consultation with Quincy Police. Camera communications will be back to the Recreation Offices, where there is existing fiber termination and PSnet switches for communication back to Police HQ.
3. **Pagnano Towers**, Quincy Housing Authority, 109 Curtis Avenue. Camera mount to be deployed on the roof in accordance to guidance from Quincy Police and Housing Authority

representatives. A microwave backhaul will be needed to get camera feed back to Police HQ, since there is no fiber to this building. The most likely backhaul site is O'Brien Towers across the Town River Bay.

4. **Intersection of Newport Avenue and Beale Street** Camera to be mounted on traffic signal pole. Backhaul communications will be via microwave link. This site is near the new Central Middle School (<2,500'), which is on City fiber, and would be a preferred backhaul site. Another possible backhaul site is 100 Newport Avenue.

Note that the City will provide the cameras, which are being redeployed from other sites.

The City of Quincy will provide bandwidth for camera backhaul communications on its fiber plant as appropriate. LAN-TEL and Interisle will also work with the City to explore options for optimizing camera communications taking into consideration plans for subsequent camera sites and network extensions.

D: PSnet Extensions to Police Marina and to support Camera Backhaul

Interisle will extend PSnet communications to the Police Marina utilizing the new fiber being deployed to this site. This will include:

1. Deploying and configuring at least one, but possibly two, PSnet Layer 2/3 switches at the Police Marina with fiber optic transceivers for lighting the fiber back to the Police HQ. These switches will be housed in an equipment rack to be provided by Quincy. The argument for deploying two switches is to improve resilience through redundancy, but this would only make sense if two fiber pairs are allocated.
2. Completing the fiber optic connections from the Police Marina into the PSnet switches located in the Police HQ.
3. Integrating new Police Marina switch(es) and fiber optic communications into PSnet management system for continuous monitoring.
4. Provide at least four ports for camera connections at Police Marina, and at least four additional ports for use by Quincy for internal communications to this site. City communications may be configured as a "VLAN tunnel" to provide traffic isolation and flexibility to carry multiple VLANs for different applications.
5. At Quincy's option, a refurbished UPS can be provided at the Police Marina to handle short term power interruptions. If PSnet provides this UPS, it will be integrated into the network management system for continuous monitoring and logging. If Quincy provides its own UPS, it may be possible to integrate this with PSnet management depending on brand/model/configuration.
6. For camera backhaul at other sites, Interisle will assist with integration of microwave radios and incorporation into network management systems. Interisle will help coordinate frequency use, and will implement adequate over-the-air security measures.

E: Project Coordination

Interisle will coordinate with all players involved with these extensions and upgrades to help achieve effective system integration and resolution of any problems that crop up as good plans meet the reality of actual deployments. Some specific tasks include:

1. Project status memos to MBHSR, Quincy, and the other contributors as appropriate. These memos will also advise project contributors of issues that may affect their plans/work.
2. Manage activities to best meet the needs and objectives of the MBHSR and Quincy stakeholders.
3. Serve as a central focal point for flagging issues and coordinating schedules and activities of the contributors.
4. Facilitate steps to complete qualification and acceptance of deliverables, especially where one contributor's deliverables have dependencies on deliverables or system integration provided by other players.

Project Scheduling

It is essential that all work be completed and signed off on by stakeholders prior to July 31, 2015. All invoices must also have been submitted by this date. However, it is in everyone's interest to complete this work well before this deadline.

In particular, completing the fiber out to the Police Marina is an essential deliverable that will impact many other deliverables and task scheduling. The plan is to start the fiber deployment as soon as authorization is received from the Office of Emergency Management (pending EHP acceptance). A priority will be placed on getting this fiber deployment under way as soon as feasible. Comm-Tract has indicated they can start within the first half of March, and complete the work within a few days.

Another short term objective will be to finalize plans for each of the camera sites, and get agreement on exactly where cameras will be mounted, how they will communicate back to Police HQ, and what additional provisions will be necessary to deliver power and communications to the cameras. It will also be important to address any concerns with building management on any internal or external wiring, and camera mounting arrangements. Any sites that will be used for camera backhaul communications will also need to be provisioned, and mounts for microwave radios planned out.

As plans are finalized for camera deployments, work can proceed on an opportunistic scheduling basis.

Presumably, the video distribution switches for the Police HQ can be procured and deployed at any time. Quincy IT should set the schedule for when these deployments will take place. There is no new construction associated with these switch deployments, as they will be replacing currently deployed switches that are inadequate for video monitoring.

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Monday, March 02, 2015 3:29 PM EST

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>

CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>

Subject: Re: Shot Spotter Integration Update

Eric

Thank you for the update

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

[1400 Providence Highway, Suite 2000](#)

[Norwood, MA 02062](#)

Cell: [617-413-2148](#)

Phone: [781-352-2427](#)

Fax: [781-551-8667](#)

ejohnson@lan-tel.com

www.lan-tel.com

On Feb 25, 2015, at 2:28 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I currently have the Shot Spotter integration software loaded in Somerville, Chelsea, and Everett. There is a technical issue loading it on the Revere server and I am getting with DVTel support to take care of that.

GPS coordinates have been loaded on all of the PTZ cameras on Chelsea and Somerville. We weren't able to get a coverage area so we did them all. Everett and Revere will follow in the next week.

Each camera has to have 8 presets loaded into it. Preset 51 is North. 52 is North East and so on around the compass. As you might imagine, this takes a bit of doing with DVTel on one screen and Google Earth on the other. I will complete the presets for Chelsea tomorrow and move right on to Somerville. Everett and Revere to follow.

By the end of the day tomorrow, we will be ready to do a live test of the Shot Spotter system in Chelsea. Somerville should be by early next week.

If you have any questions or concerns, please don't hesitate to contact me.

Eric

<image001.jpg>

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Monday, March 02, 2015 3:45 PM EST

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Eric Nisbet <Eric Nisbet <enisbet@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>

Subject: Fwd: FW: PSnet: Communications established for ShotSpotter Notification service

Hi Nikhil. See the final approval below from Somerville. Thanks so much.

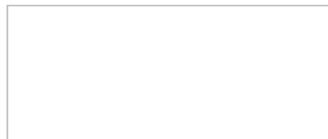
Andrew

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Regional Planner

Office of Emergency Management (OEM)

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Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



----- Forwarded message -----

From: Thomas Graney <TGraney@somervillema.gov>

Date: Mon, Mar 2, 2015 at 3:44 PM

Subject: FW: PSnet: Communications established for ShotSpotter Notification service

To: Andrew Murphy <andrew.murphy@boston.gov>

Andrew,

I will give you permission from Somerville!

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, March 02, 2015 3:36 PM

To: Gene Doherty

Cc: Michael Kiely; James Stanford; James Guido; Thomas Graney; Steven Ford; Robert Ankenbauer

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

No sir. This is perfect. Thank you Chief.

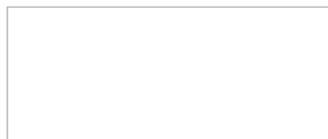
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I hereby give permission.

Do you need something else?

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

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Date: 03/02/2015 12:49 PM (GMT-05:00)

To: Michael Kiely <mkiely@police.somerville.ma.us>, James Stanford <jstanford@police.somerville.ma.us>, James Guido <jguido@reverepolice.org>

Cc: Tom Graney <TGraney@somervillema.gov>, Gene Doherty <edoherty@revere.org>, Steven Ford <sford@reverepolice.org>, Bob Ankenbauer <RAnkenbauer@police.somerville.ma.us>

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

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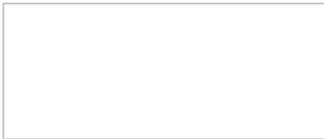
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

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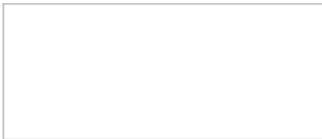
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----- Forwarded message -----

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Date: Mon, Feb 23, 2015 at 2:24 PM

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To: Eric Johnson <ejohnson@lan-tel.com>

Cc: Chuck Wade <Chuck@interisle.net>, Christian Lahti <clahti@shotspotter.com>, Mike French <mfrench@lan-tel.com>, Andrew Murphy <andrew.murphy@boston.gov>, Fred Goldstein <Fred@interisle.net>, Colin Strutt <Colin@interisle.net>

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Can you please work on this and get me the required approvals from all 4 agencies.

Thanks,

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From: Eric Johnson [mailto:ejohnson@Lan-Tel.com]

Sent: Monday, February 23, 2015 7:27 AM

To: Nikhil Mehta

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Mike French; Andrew Murphy; Fred Goldstein; Colin Strutt

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

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Sent from my iPhone

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Yes it is.

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Friday, February 20, 2015 1:01 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Mike French
Cc: Andrew Murphy; Fred Goldstein; Colin Strutt
Subject: RE: PSnet: Communications established for ShotSpotter Notification service

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Is the server on your end provisioned to receive the alerts?

Thanks,

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Eric

<image001.jpg>

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For the next step, I would like to provision Notification Engine for Chelsea coverage area (as we decided to do this first). I need DVTEL server details like what packet type and channel type they support. As per as our Boston setup, I've channel type as socket and packet type as INCIUPD. Do we want to use the same configuration ? Please confirm.

Thanks,

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If any communications problems are encountered, I can assist in debugging. Note that ShotSpotter can initiate pings to the DVTEL servers, but it is not possible to ping the ShotSpotter notification engine from the DVTEL servers at this time, due to the current configuration of NAT rules on both the PSnet and ShotSpotter firewalls.

Finally, I will note that this communications setup can be easily extended to allow communications to other DVTEL servers reachable on PSnet.

I also want to thank Christian Lahti for pushing through the changes required to get this working from the ShotSpotter end. Getting this type of secure communication working with different firewalls and configurations on the two ends is generally a challenge, but we worked through the issues pretty efficiently, and I have a better understanding now of how the network is configured at their Richmond data center.

If there are any questions, I'll do my best to address them...
...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
[+1 508 277-6439](tel:+15082776439) Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, March 02, 2015 3:48 PM EST

To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Eric Nisbet <Eric Nisbet <enisbet@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Fred Goldstein < Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll < Mike Driscoll <mdriscoll@dvstel.com>>

Subject: RE: FW: PSnet: Communications established for ShotSpotter Notification service

Attachment(s): "SomervilleMA_CoverageArea.zip"

Thanks. Coverage area shape file attached.

Nikhil

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, March 02, 2015 12:46 PM

To: Nikhil Mehta

Cc: Eric Johnson; Eric Nisbet; Mike French; Chuck Wade; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: Fwd: FW: PSnet: Communications established for ShotSpotter Notification service

Hi Nikhil. See the final approval below from Somerville. Thanks so much.

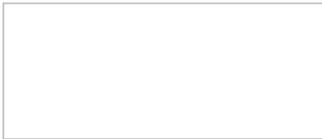
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From: Thomas Graney <TGraney@somervillema.gov>

Date: Mon, Mar 2, 2015 at 3:44 PM

Subject: FW: PSnet: Communications established for ShotSpotter Notification service

To: Andrew Murphy <andrew.murphy@boston.gov>

Andrew,

I will give you permission from Somerville!

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]

Sent: Monday, March 02, 2015 3:36 PM

To: Gene Doherty

Cc: Michael Kiely; James Stanford; James Guido; Thomas Graney; Steven Ford; Robert Ankenbauer

Subject: Re: PSnet: Communications established for ShotSpotter Notification service

No sir. This is perfect. Thank you Chief.

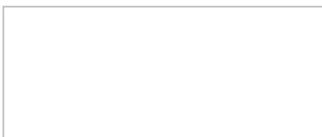
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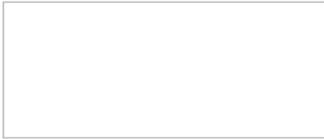
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City of Revere on Today In America - <http://www.youtube.com/watch?v=u9JjXQ7LQUc>
Find us on Facebook - <https://www.facebook.com/pages/City-of-Revere-Official/208116655949841>
Follow us on Twitter @Revere_MA - https://twitter.com/Revere_MA
Report issues to the city with SeeClickFix - <http://www.revere.org/residents/phone-app>

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, March 03, 2015 3:27 PM EST
To: Andrew Murphy <Andrew.Murphy@Boston.gov>; Scott Wilder <Scott.Wilder@BrooklineMA.gov>
CC: Michael Kane <Michael.Kane@Boston.gov>; Brenda Jones <Brenda.Jones@Boston.gov>; Eric Johnson <EJohnson@LAN-TEL.com>; David Menzies <David.Menzies@D2Five.com>; Colin Strutt <Colin.Strutt@Interisle.net>; Fred Goldstein <Fred@Interisle.net>
Subject: PSnet: Status update and handout from EC meeting on CIMS Coordination and Planning
Attachment(s): "PSnet CIMS Planning and Coordination.pdf", "smime.p7s"

Andrew, Scott, et al.,

I have attached the presentation I used today to discuss the approaches the PSnet and CIMS teams plan to take as we roll out the new cameras and video service upgrades. Please let Eric or I know if you have any questions or would like further clarification on any issues pertaining to this project.

I have also provided below a summary of accomplishments over the past few months, along with our near-term planned activities. I've also included a list of issues we are tracking. Again, please let me know if there are any questions, concerns, or points needing clarification.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
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Accomplishments

- PSnet Hosting facilities
 - New servers & storage systems fully operational
 - New "core" switch stacks added at Boston and Cambridge sites
 - Set up InterMapper VM
 - Set up WSUS service and configured all Windows servers on PSnet to use; service offered to CIMS as well
 - Set up FATPOT VM and configured for access and use by FATPOT development team
 - Integrated server/storage systems into InterMapper monitoring, including new custom probes for VMware and iLO
- Site upgrades completed at DCJIS data center (200 Arlington, Chelsea); performance improved and issue with "jumbo" MTU packets from DCJIS switches is now fully resolved
 - Identified and resolved interface mis-match problems for Revere, Winthrop, and Transit Police, as well as at DCJIS
 - Discovered and partially resolved spanning tree issue with MITC link to EBHS; planned rework of EBHS site will provide a permanent solution to this problem
 - Also, encountered a problem affecting Quincy PD access to only the AFIS-R application and implemented workaround; planned upgrade of Winthrop Water Tower site will provide permanent fix
- Revere upgrades
 - Broadway Tower to Reservoir fiber deployed
 - New site at Reservoir Radio shelter installed
 - Activated fiber from Reservoir to Police HQ
- Burton Faulkner (25 Highland) site in Somerville upgraded
- Continued work on improving microwave links
 - Re-alignment of Revere radios, including link to JFK that was affected by tornado
 - Brought more radios into compliance with regulations
 - Improved management and monitoring of more radios
 - Completed firmware upgrades for all (but one) BridgeWave links; last BridgeWave link will be upgraded as soon as BoNet fiber path restored to 35 Northampton
- Filled in details on nearly all remaining "dark corners" of PSnet/CIMS, and mapped via IM
 - JFK FPS camera network remains a dark corner
- Provided inventory and other information to Ross&Baruzzini for CIMS camera study; also provided detailed edits and feedback on draft report
- Added Transit Police to FATPOT
- Assisting BPD/FATPOT with reconfig of Boston CAD system and cutover to new CAD system
- Documented current mishmash of Juniper SSG firewall rules for FATPOT in anticipation of server moving to new VM
- Installed updated licenses for InterMapper for Jan-Aug 2015; continuation of maintenance will be ordered under new FY budget to start on August 1

- Resolved InterMapper database problems encountered during transition to new VM server
- Notified CIMS of new license and offered to upgrade server
- Notified RemoteAccess users of availability of new licenses
- ShotSpotter data link to data center established with communications now supported to Chelsea, Everett, Revere, and Somerville DVTEL servers
- PSnet extended to MIT and Harvard Campus Police and radio sites in support of Motorola console systems and P25 deployments
- Continuing to replace UPSs and Digital Loggers PDUs with redundant Tripp Lite UPSs and PDUs with ATS capabilities (35 Northampton, Walnut Park, Quincy HS, NE Baptist Hospital, Whidden Hospital, Broadway Tower, and Chelsea EOC have new UPS/PDUs installed)
- Extensive "under-the-hood" refinements and improvements in all aspects of the network

Planned activities

- Support CIMS team in rolling out new cameras, video services, and replacement of aging backhaul links
- Upgrade Winthrop Water Tower site with UPSs, PDU, and Layer 2/3 switches (last remaining backbone site for Layer 2/3 upgrade)
- Complete installation of UPSs and PDUs
- Complete overhaul of Whidden site (long overdue)
- Deploy new microwave link into Brookline at 90 Longwood to MIT Tang Hall, which also provides another redundant link to MIT's P25 central radio site
- Deploy microwave link from Revere Reservoir to 381 Ferry in Everett
- Deploy new microwave link to Quincy North High School (from Boston, probably Engine 16 tower)
- Deploy fiber extension in Quincy to Police Marina, and support deployment of four new camera sites in Quincy
- Work with BoNet to resolve 35 Northampton and 1 Summer issues
 - Also seek to improve services to Boston City Hall, East Boston High School, and Schroeder Plaza
 - Explore potential for integrating CIMS camera traffic that traverses BoNet with PSnet services
 - Leverage BoNet fiber to Walnut Park (Egleston)
- Transition Revere LMR radio trunking to packetized solution (replace TC-8000s)
- Complete deployment of trial analog service for Everett Police radio trunk circuits
- Complete deployment of T1 service for Chelsea radios at Soldiers' Home
- Provide VPN access services for "deployable consoles" (MCC7100 laptops) and "CEN-REN" connection at three proxy sites (Schroeder, Fenway, Healy)
- Extend PSnet to Boston Fire Alarm (Fenway) for Motorola "deployable consoles"
- Extend PSnet to 364 Rindge Ave. via Cambridge fiber, a unique western high site; also deploy microwave link to 50 Churchill radio site and provide radio trunking service over PSnet
- Complete microwave (24 GHz) upgrade to Lesley University ("Sears" tower) in Porter Square (awaiting resolution of indemnification letter sought by AT&T, the site manager)
 - This will also entail lighting existing Cambridge fiber to the roof of William James Hall on Harvard campus, thereby providing another "high site"
- Light Loop A fiber between Cambridge Healy, Boston City Hall, MBTA 45 High, and 1 Summer
 - Need to determine feasibility of getting dark fiber to Schroeder Plaza, or DWDM lambda
- Prepare plans for extending PSnet to 1 Ashburton radio room on roof (begin to reduce reliance on JFK)
- Develop plans/proposals for additional fiber links, especially cross-jurisdictional
- Complete cutover from existing (staging) InterMapper system to a new (second) InterMapper VM
- Develop plans and documentation to support move of FATPOT server to its new VM
- Resolve disk drive issues with servers and 3PAR storage system

Issues

- Work with D. Menzies and Motorola to resolve problems with MCC7500 console behavior when there are momentary disconnects from the Core
- Engaging with FATPOT team to move the current server to the new VM that has been set up
- Resolving plans for upgrading and extending FATPOT service
- Authorization to proceed with moving the PSnet SharePoint system to an internally hosted VM
- Address disk drive issues with new servers and storage system (constraint on RAID 6 use)
 - Also need to acquire server disk drives for hosting 3PAR management VM
- Devise strategy and approach to upgrading BoNet connections, and making more effective use of BoNet services at key sites
- Defining technical solutions for extending analog radio trunk circuits to remote radio sites over PSnet
- Need to establish test bed or lab for preparing solutions to replace legacy Verizon radio circuits throughout Region
- Management and coordination of unlicensed spectrum use within region as sources of interference continue to multiply
 - Need to devise strategies that leverage fiber and other assets to reduce microwave backhaul distances as well as the number of radios per backhaul site
- Increasing fiber interconnects at all levels of PSnet, especially cross-border links
 - Plans will be prepared, but some engineering work will be needed to project costs and determine path viability

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>

Sent: Wednesday, March 04, 2015 10:45 AM EST

To: michael.kane@boston.gov; Deirdre Habershaw (deirdre.habershaw@boston.gov) <Deirdre Habershaw (deirdre.habershaw@boston.gov) <deirdre.habershaw@boston.gov>>

CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: January CIMS Billing

Attachment(s): "January Invoice 9913399.pdf", "January 2015 Work Tickets.pdf", "January 2015 Billing.xls"

Good Morning,

Please find the attached invoice and backup for CIMS work done in January. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,
Vickie



Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: 781.352.4637

Fax: 781.551.8667

Cell: 774.766.8616

vbaldaschi@lan-tel.com

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<mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

All set up and ready for the test. Are we still on?

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From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Monday, March 02, 2015 2:08 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Work for me.

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Monday, March 02, 2015 11:06 AM
To: Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I think we are ready to go with a test of the systems in Chelsea and Somerville. Would Wednesday at 1:00 eastern work for all? I am currently working on Everett and Revere so that we may have more ready by then, but we are a definite go for Chelsea and Somerville for Wednesday. If this time doesn't work, please let me know and we can reschedule.

Thanks,

Eric

From: Andrew Murphy [mailto:andrew.murphy@boston.gov]
Sent: Monday, March 02, 2015 2:03 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Fwd: Shotspotter

Good afternoon all. Please see below Revere PD's approval to release their Shotspotter coverage area. Somerville PD has been less than responsive. I will keep prodding them. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov

----- Forwarded message -----

From: **Goodwin Lt Det John** <jgoodwin@reverepolice.org>
Date: Mon, Mar 2, 2015 at 2:00 PM
Subject: Shotspotter
To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

From: Nikhil Mehta <nmehta@shotspotter.com>
Sent: Wednesday, March 04, 2015 8:11 PM EST
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CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
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Sent: Wednesday, March 04, 2015 10:49 AM
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To: andrew.murphy@boston.gov

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Sent from my Verizon Wireless 4G LTE smartphone

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Wednesday, March 04, 2015 9:43 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

Sure thing. We are on the east coast and will need to look at it later tomorrow afternoon or Friday. I will get back to you the next time I can look at the server.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Wednesday, March 04, 2015 8:12 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
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Sent from my Verizon Wireless 4G LTE smartphone

From: Chuck Wade <Chuck@Interisle.net>
Sent: Wednesday, March 04, 2015 10:05 PM EST
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>
Subject: Re: Shotspotter
Attachment(s): "smime.p7s"

Nikhil,

I can confirm that the packet counts for the Dest. NAT rule to <10.20.61.77> are incrementing, so it looks like the traffic is getting through. I'm also able to ping across the IPsec tunnel to hosts on your end, so I think the network connectivity is in place. If you continue to have problems, and it appears that the DVTEL server in Chelsea is not receiving anything from the ShotSpotter service, let me know and I can help debug.

Aside, it is always a good idea to try a ping to confirm packets can be exchanged round trip. However, in this case, you'll only be able to ping from the ShotSpotter end. The DVTEL server is not able to ping your side due to the way I set up the NAT rules.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/4/15 8:11 PM, Nikhil Mehta wrote:

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Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, March 05, 2015 1:52 PM EST

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>

CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

Subject: Re: MK: CIMS/ PSnet: Draft Scope of Work for Quincy Marina Fiber extensions

Attachment(s): "IMG_0136[1].JPG","IMG_0139[1].JPG","IMG_0137[1].JPG","IMG_0138[1].JPG"

Hi Eric and Chuck,

I have attached the pictures of the site for the EHP could you assist me in completing the this process final approval.

The sites equal the following directional views:

0136 North

0137 South

0138 East

0139 West

Thanks,

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, March 05, 2015 2:18 PM EST

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: MK: Bucket Truck Fees Upcoming CIMS upgrade

I just want to make sure that the Bucket truck fees were not added into your proposal? My understanding based on your proposal is you were buying one.

MIke

On Wed, Mar 4, 2015 at 10:45 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

Good Morning,

Please find the attached invoice and backup for CIMS work done in January. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,

Vickie



Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: [781.352.4637](tel:781.352.4637)

Fax: [781.551.8667](tel:781.551.8667)

Cell: [774.766.8616](tel:774.766.8616)

vbaldaschi@lan-tel.com

www.lan-tel.com

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Chuck Wade <Chuck@Interisle.net>

Sent: Thursday, March 05, 2015 3:00 PM EST

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

Subject: Re: MK: CIMS/ PSnet: Draft Scope of Work for Quincy Marina Fiber extensions

Attachment(s): "Vision Government Solutions | 136 Bay View Ave Quincy PoliceMarina.pdf", "Quincy Police Marina looking north.png", "Quincy Police Marina looking west.png", "Quincy Police Marina looking south.png", "Quincy Police Marina looking east.png", "Quincy Pole 139 on Sea Street.png", "smime.p7s"

Mike,

I'm not sure exactly what you're looking for. However, the photos you attached appear to be from the roof of the Police Marina, and not of the building itself. My understanding of the EHP forms is that you need photos of the building.

I have attached a pdf from the Quincy "Vision" parcel tracking system, which can also be directly accessed at:

[. <http://gis.vgsi.com/quincyma/Parcel.aspx?Pid=23294>](http://gis.vgsi.com/quincyma/Parcel.aspx?Pid=23294)

There is one photo of the site from Bay View Avenue included in this parcel description.

I have also attached screen shots from the Bing pictometry. These are not as close as we can get in some of the other communities, and they may not be adequate for your purposes. These include all four compass point views.

If you need better photos of the building, we'll have to arrange for someone to provide these, or visit the site with a camera.

Finally, in case this is relevant to the EHP, Lt. Gillan is looking to have a camera mounted on pole 139 on Sea Street, as this would provide a good vantage for watching boat traffic to/from the Fore River. I suspect that he is hoping that the new fiber that will go along this route can be spliced at this pole to provide communications. I have not had a chance to dig into this further, though Eric Johnson may have some more information on their plans for this camera. It is also possible that they are willing to trade the camera mount at the Police Marina for this new location at pole 139. I have attached a screen shot from Bing pictometry showing the location of this pole (red dot).

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
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michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, March 05, 2015 3:01 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: MK: Bucket Truck Fees Upcoming CIMS upgrade
Attachment(s): "image002.jpg"

Mike
We have a 2 bucket trucks that we own outright . With some vendors the cost of a bucket truck is added in the hourly rate . We do not do that . We set a flat fee of operating expenses at 350 per week . Because this is a maint contract and basically no set work schedule we show the cost outright . If we were to put in an hourly rate it would be 4 dollars more an hour (per technician)

The upgrade is contracted work it is different . There is no line item for this .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781- 352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

On Mar 5, 2015, at 2:19 PM, Michael Kane <michael.kane@boston.gov> wrote:

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On Wed, Mar 4, 2015 at 10:45 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

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michael.kane@boston.gov

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Sent: Thursday, March 05, 2015 3:02 PM EST
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: MK: Bucket Truck Fees Upcoming CIMS upgrade
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michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, March 05, 2015 5:05 PM EST

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>

Subject: MBHSR OEM: 2015 CIMS Upgrade 5/3/15-7/31/16 \$1,450,000.00 COB Contract#40555

Attachment(s): "Certificate_for_No_Risk_Contracts_-_CM-14_40555.pdf", "Certificate_of_Authority_-_Form_CM-06.pdf", "CORI_Compliance_Certification_Final___Form_CM-15A_(1).pdf", "CORI_Compliance_Standards_Final_-_Form_CM-15B__June_2014_(1).pdf", "CORI_Compliance_Waiver_Final___Form_CM-15C.pdf", "LW_Vendors_LW_Affadv_LW8_FY2015.pdf", "Standard_Contract_Document_Revised_40555.pdf"

Good Morning Kate,

Please review and execute these documents as soon as possible. I will work with our contracts team to expedite.

Unfortunately, I needed to set up a new contract #40555 for the CIMS Upgrade work of 612K.

Please sign in [BLUE INK](#), scan, and send the originals back to me via FedEx.

Thanks for your assistance and have a great weekend,

Mike

--

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michael.kane@boston.gov

From: Eric W. Nisbet <enisbet@lan-tel.com>
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To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
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Subject: RE: Shotspotter

I have logged into the Chelsea System and checked the events and alarms pane and see no Shot Spotter activity. Pretty sure I have it configured correctly because I checked the configuration against Boston.

Eric

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Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Fwd: Shotspotter

Good afternoon all. Please see below Revere PD's approval to release their Shotspotter coverage area. Somerville PD has been less than responsive. I will keep prodding them. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov

----- Forwarded message -----

From: **Goodwin Lt Det John** <jgoodwin@reverepolice.org>
Date: Mon, Mar 2, 2015 at 2:00 PM
Subject: Shotspotter
To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, March 06, 2015 12:00 PM EST
To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: Re: Shotspotter
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To: Eric W. Nisbet; Andrew Murphy
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To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Work for me.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 02, 2015 11:06 AM

To: Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

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From: Christian Lahti <clahti@shotspotter.com>
Sent: Friday, March 06, 2015 12:05 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
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Subject: RE: Shotspotter

We are still able to ICMP ping the server list on your side as well.

/Christian

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, March 06, 2015 9:01 AM
To: Eric W. Nisbet; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
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From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
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To: Eric W. Nisbet; Andrew Murphy

Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

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Note, I've changed the Chelsea address above to reflect the updated info.

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Sent from my Verizon Wireless 4G LTE smartphone

From: Michael Kane <michael.kane@boston.gov>
Sent: Friday, March 06, 2015 12:39 PM EST
To: kwaldron@lan-tel.com <kwaldron@lan-tel.com>
Subject: MIKE KANE:OUT OF OFFICE Re: Signed contract documents

I will have no access to my desk phone and limited access to my mobile.

I will return all messages on my return

Michael

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

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Sent: Friday, March 06, 2015 12:40 PM EST
To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
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For what it's worth, I am seeing traffic from <10.112.0.250> to <10.20.61.77> with dest. port of 1111. This traffic is now being delivered to <10.0.77.200>.

I assume the source address is the ShotSpotter notification server. If not, we should investigate. It would help to have a list of IP addresses on the ShotSpotter side that we expect traffic from, with some indication as to what the roles are of the associated hosts.

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On 3/6/15 12:32 PM, Eric W. Nisbet wrote:

Yes. Those are all correct.

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Date: Mon, Mar 2, 2015 at 2:00 PM

Subject: Shotspotter

To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Christian Lahti <clahti@shotspotter.com>
Sent: Friday, March 06, 2015 12:55 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

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From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, March 06, 2015 9:41 AM
To: Eric W. Nisbet; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
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Somerville PD	[REDACTED]	[REDACTED]

Note, I've changed the Chelsea address above to reflect the updated info.

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To: Eric W. Nisbet; Andrew Murphy
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Subject: RE: Shotspotter

Work for me.

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Attachment(s): "smime.p7s"

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I have started a packet capture that will hopefully pick up the next notification event. I will see if that tells us anything useful.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/6/15 10:51 AM, Eric W. Nisbet wrote:

I have logged into the Chelsea System and checked the events and alarms pane and see no Shot Spotter activity. Pretty sure I have it configured correctly because I checked the configuration against Boston.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Wednesday, March 04, 2015 8:12 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I've setup Notification Engine to our test environment, this will simulate incidents every 30 minutes and will be sent to Chelsea server at [REDACTED] and packet type as INCIUPD. But getting delivery failure.
Can you guys check on your end if the server is provisioned to receive the packets . Let me know if I need to use different packet type or port number.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Wednesday, March 04, 2015 10:49 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

All set up and ready for the test. Are we still on?

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 02, 2015 2:08 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Work for me.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 02, 2015 11:06 AM
To: Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I think we are ready to go with a test of the systems in Chelsea and Somerville. Would Wednesday at 1:00 eastern work for all? I am currently working on Everett and Revere so that we may have more ready by then, but we are a definite go for Chelsea and Somerville for Wednesday. If this time doesn't work, please let me know and we can reschedule.

Thanks,

Eric

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Monday, March 02, 2015 2:03 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Fwd: Shotspotter

Good afternoon all. Please see below Revere PD's approval to release their Shotspotter coverage area. Somerville PD has been less than responsive. I will keep prodding them. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov

[Redacted]

----- Forwarded message -----

From: **Goodwin Lt Det John** <jgoodwin@reverepolice.org>
Date: Mon, Mar 2, 2015 at 2:00 PM
Subject: Shotspotter
To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Monday, March 09, 2015 12:16 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[REDACTED]

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

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From: Eric W. Nisbet
Sent: Monday, March 09, 2015 10:53 AM
To: 'Chuck Wade'; Christian Lahti; Nikhil Mehta; Andrew Murphy
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I have been monitoring the Chelsea server and even did a reboot to make sure that I don't have any events reaching the DVTel software. I am going to engage DVTel support at this time to see if they can see anything in the logs and find out if I am getting any signals. In Boston, I just log into Control Center and the messages flood onto my screen. In Chelsea I am not getting anything.

I will update as this progresses.

Eric

From: Chuck Wade [<mailto:Chuck@Interisle.net>]
Sent: Friday, March 06, 2015 3:23 PM
To: Eric W. Nisbet; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Eric, et al.,

I can confirm that traffic is flowing in both directions between the ShotSpotter service and the Chelsea DVTEL server. I can provide a packet trace if any one needs it. However, please note that I am heading out for an appointment, and will not be back in my office until tomorrow.

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On 3/6/15 12:57 PM, Eric W. Nisbet wrote:

Just logged back in to the Chelsea server and still nothing showing up on the screen regarding Shot Spotter.

Eric

From: Christian Lahti [<mailto:clahti@shotspotter.com>]
Sent: Friday, March 06, 2015 12:55 PM
To: Chuck Wade; Eric W. Nisbet; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Outbound traffic is NAT'd from our side to [REDACTED] this is the only IP address you guys will see as a source from us.

/Christian

From: Chuck Wade [<mailto:Chuck@Interisle.net>]
Sent: Friday, March 06, 2015 9:41 AM
To: Eric W. Nisbet; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Eric, Nikhil,

For what it's worth, I am seeing traffic from [REDACTED] with dest. port of 1111. This traffic is now being delivered to [REDACTED]

I assume the source address is the ShotSpotter notification server. If not, we should investigate. It would help to have a list of IP addresses on the ShotSpotter side that we expect traffic from, with some indication as to what the roles are of the associated hosts.

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Subject: Re: Shotspotter

Eric, et al.,

I'm glad we checked. I just now updated the NAT rule on the firewall, so the traffic should now get to the correct server. Nothing needs to be done on the ShotSpotter end.

Here is the table of server addresses I previously sent out. Could you please review this, and let me know if there are any other corrections required?

DVTEL Server Location	Actual DVTEL IP	NAT'ed DVTEL IP
Everett PD	[REDACTED]	[REDACTED]
Revere PD	[REDACTED]	[REDACTED]
Chelsea PD	[REDACTED]	[REDACTED]
Somerville PD	[REDACTED]	[REDACTED]

Note, I've changed the Chelsea address above to reflect the updated info.

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Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
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Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
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----- Forwarded message -----

From: Goodwin Lt Det John <jgoodwin@reverepolice.org>
Date: Mon, Mar 2, 2015 at 2:00 PM
Subject: Shotspotter
To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Michael Kane <michael.kane@boston.gov>

Sent: Monday, March 09, 2015 1:46 PM EDT

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

Subject: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

Attachment(s): "Standard_Contract_Document_Revised 40555 3.9.15.pdf"

Kate please see attached doc. It looks like the prior contract had a not to exceed amount on the doc I sent you that only reflected 600K not the total \$1,450,000.00.

Can you sign this and Blue ink and send back to me all the other docs looked good for the PO to get done.

Thanks,

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Monday, March 09, 2015 1:52 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Fwd: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10
Attachment(s): "Standard_Contract_Document_Revised 40555 3.9.15.pdf"

fyi if you can drop off tomorrow Im here at 204 all day.

Mike

----- Forwarded message -----

From: **Michael Kane** <michael.kane@boston.gov>
Date: Mon, Mar 9, 2015 at 1:46 PM
Subject: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10
To: Kate Waldron <kwaldron@lan-tel.com>

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michael.kane@boston.gov

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Sent: Monday, March 09, 2015 1:57 PM EDT

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Subject: Re: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

Hi Mike- I am not in the office today but i will be able to turn this around tomorrow or see if Joe b can sign it this afternoon. Just want to check- the doc you attached is blank - no names or numbers-is this the one you want us to sign?

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Subject: Re: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

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CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>

Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,
Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 9:54 AM

To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I got the following reply from DVTEL that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:
"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: +1 (201) 708-9817

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 12:12 PM

To: Keith Cottrell

Cc: Mike Driscoll; DVTEL AIC; DVTEL Support

Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

```
10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type>
<address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time>
</INCIUPD>
```

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet

Sent: Monday, March 09, 2015 12:16 PM

To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'

Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'

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Eric, Nikhil,

For what it's worth, I am seeing traffic from <10.112.0.250> to <10.20.61.77> with dest. port of 1111. This traffic is now being delivered to <10.0.77.200>.

I assume the source address is the ShotSpotter notification server. If not, we should investigate. It would help to have a list of IP addresses on the ShotSpotter side that we expect traffic from, with some indication as to what the roles are of the associated hosts.

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Chelsea PD	10.0.77.200	10.20.61.77
Somerville PD	10.0.84.201	10.20.61.84

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Sent: Friday, March 06, 2015 12:01 PM
To: Eric W. Nisbet; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Eric, Nikhil,

I have checked the IPsec tunnel status, and everything continues to look good. I am seeing packets incrementing the packet counters associated with the NAT rule for Chelsea, so it appears that traffic is being sent.

Let me confirm that the Chelsea DVTEL server is at <10.0.77.202>. It would also help to confirm that a ping from the ShotSpotter notification server to the NAT address <10.20.61.77> gets a

response from the Chelsea DVTEL server.

I have started a packet capture that will hopefully pick up the next notification event. I will see if that tells us anything useful.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/6/15 10:51 AM, Eric W. Nisbet wrote:

I have logged into the Chelsea System and checked the events and alarms pane and see no Shot Spotter activity. Pretty sure I have it configured correctly because I checked the configuration against Boston.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Wednesday, March 04, 2015 8:12 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I've setup Notification Engine to our test environment, this will simulate incidents every 30 minutes and will be sent to Chelsea server at 10.20.61.77:1111 and packet type as INCIUPD. But getting delivery failure.
Can you guys check on your end if the server is provisioned to receive the packets .
Let m eknow if I need to use different packet type of port number.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Wednesday, March 04, 2015 10:49 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

All set up and ready for the test. Are we still on?

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 02, 2015 2:08 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Work for me.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 02, 2015 11:06 AM
To: Andrew Murphy; Nikhil Mehta
Cc: Eric Johnson; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I think we are ready to go with a test of the systems in Chelsea and Somerville. Would Wednesday at 1:00 eastern work for all? I am currently working on Everett and Revere so that we may have more ready by then, but we are a definite go for Chelsea and Somerville for Wednesday. If this time doesn't work, please let me know and we can reschedule.

Thanks,

Eric

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Monday, March 02, 2015 2:03 PM
To: Nikhil Mehta
Cc: Eric Johnson; Eric W. Nisbet; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Fwd: Shotspotter

Good afternoon all. Please see below Revere PD's approval to release their Shotspotter coverage area. Somerville PD has been less than responsive. I will keep prodding them. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov

----- Forwarded message -----

From: **Goodwin Lt Det John** <jgoodwin@reverepolice.org>
Date: Mon, Mar 2, 2015 at 2:00 PM
Subject: Shotspotter
To: andrew.murphy@boston.gov

Andrew I forwarded your email to detective Bruker who was out of State on training last week I apologize. If this email is not enough to authorize the request to share the needed information I will forward whatever you need in the morning thanks Andrew

Sent from my Verizon Wireless 4G LTE smartphone

From: Michael Kane <michael.kane@boston.gov>

Sent: Monday, March 09, 2015 2:10 PM EDT

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: Re: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

Attachment(s): "Standard_Contract_Document_Revised 40555 3.9.15 (1).pdf"

Let me try this again

On Mon, Mar 9, 2015 at 2:03 PM, Kate Waldron<kwaldron@lan-tel.com> wrote:

The one I see us entirely blank.

Kate Waldron
Director of Business Operations
LAN-TEL Communications, Inc.

On Mar 9, 2015, at 2:00 PM, Michael Kane <michael.kane@boston.gov> wrote:

Hi Kate,

The one I sent you was amended and had the numbers filled in is that not what you are seeing?

On Mon, Mar 9, 2015 at 1:57 PM, Kate Waldron<kwaldron@lan-tel.com> wrote:

Hi Mike- I am not in the office today but i will be able to turn this around tomorrow or see if Joe b can sign it this afternoon. Just want to check- the doc you attached is blank - no names or numbers-is this the one you want us to sign?

Kate Waldron
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LAN-TEL Communications, Inc.

On Mar 9, 2015, at 1:46 PM, Michael Kane <michael.kane@boston.gov> wrote:

Kate please see attached doc. It looks like the prior contract had a not to exceed amount on the doc I sent you that only reflected 600K not the total \$1,450,000.00.

Can you sign this and Blue ink and send back to me all the other docs looked good for the PO to get done.

Thanks,

Mike

--

Michael Kane
Regional Planner
Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-4323 | Cell: 617-895-7215
michael.kane@boston.gov

<Standard_Contract_Document_Revised 40555 3.9.15.pdf>

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| michael.kane@boston.gov

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Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric W. Nisbet <enisbet@lan-tel.com>

Sent: Monday, March 09, 2015 2:14 PM EDT

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>

Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta

Date: 03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy

Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll

Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,

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From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 9:54 AM

To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I got the following reply from DVTEL that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,

Edan Kemelman

Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: +1 (201) 708-9817

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Monday, March 09, 2015 12:12 PM

To: Keith Cottrell

Cc: Mike Driscoll; DVTEL AIC; DVTEL Support

Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

```
10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type>  
<address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time>  
</INCIUPD>
```

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

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</INCIUPD>
```

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Kate Waldron <kwaldron@lan-tel.com>

Sent: Monday, March 09, 2015 2:23 PM EDT

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Vickie Balaschi <Vickie Balaschi <VBalaschi@Lan-Tel.com>>

Subject: Re: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

Hi Mike- The problem stemmed from viewing it in my phone. I still can't see it but Vickie can see it in the office. Vickie is going to get it processed now and we will hand-deliver it tomorrow. Will that work?

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The one I sent you was amended and had the numbers filled in is that not what you are seeing?

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Thanks,

Mike

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Michael Kane
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Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
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michael.kane@boston.gov

<Standard_Contract_Document_Revised 40555 3.9.15.pdf>

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michael.kane@boston.gov

<Standard_Contract_Document_Revised 40555 3.9.15 (1).pdf>

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>

Sent: Monday, March 09, 2015 2:45 PM EDT

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: RE: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

Attachment(s): "Standard_Contract_Document_Revised 40555 3.9.15 (1).pdf"

Hi Mike,

Here is a scanned copy of the signed contract. The original will be delivered tomorrow. Have a great day!

Thanks,
Vickie

From: Michael Kane [mailto:michael.kane@boston.gov]

Sent: Monday, March 09, 2015 2:30 PM

To: Kate Waldron; Vickie Balaschi; Eric Johnson

Subject: Re: Mike Kane please give me a call when you have a moment at my desk until 5pm per CM10

That is great thank you guys

On Mon, Mar 9, 2015 at 2:23 PM, Kate Waldron <kwaldron@lan-tel.com> wrote:

Hi Mike- The problem stemmed from viewing it in my phone. I still can't see it but Vickie can see it in the office. Vickie is going to get it processed now and we will hand-deliver it tomorrow. Will that work?

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: John Bartolomucci <jbarts@lan-tel.com>
Sent: Monday, March 09, 2015 2:56 PM EDT
To: Andrew Murphy (andrew.murphy@boston.gov) <andrew.murphy@boston.gov>; Andrew Murphy (andrew.murphy@boston.gov) <andrew.murphy@boston.gov>; Michael Kane (michael.kane@boston.gov) <michael.kane@boston.gov>; Michael Kane (michael.kane@boston.gov) <michael.kane@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: SSA agreement

Hi Andrew

Hope all is well.

This is a follow-up on the proposal/work for the DVTel SSA for upgrade / service agreement for July 2014 through June 2015. Should I put the SSA against some of the funds that were recently distributed.

Please let me know

Thank you

John Bartolomucci



WWW.LAN-TEL.COM

John Bartolomucci

Director - Security Division

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: 781.352.4056

Fax: 781.551.8667

Cell: 617.413.7488



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, March 09, 2015 5:09 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>

Subject: RE: Shotspotter

Eric,

I verified on my end that the packet is now being sent in correct format.

Channel: Socket

[2015/03/09 16:00:45] Trying to send message

Address: 10.20.61.77:1111

Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 11:15 AM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - 781-760-8505



Sent from my Galaxy S3III

----- Original message -----

From: Nikhil Mehta

Date: 03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy

Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll

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Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

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Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

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Hi Eric,

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The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:
"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: +1 (201) 708-9817

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

```
10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type>  
<address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time>  
</INCIUPD>
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Connection status changed to True

I'm assuming this is good news.

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Eric

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Monday, March 09, 2015 7:36 PM EDT
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
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<address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time>  
</INCIUPD>
```

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTEL to see what is going on.

Eric

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, March 09, 2015 7:42 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>

Subject: RE: Shotspotter

Thanks Eric.

All,
FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 4:36 PM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Monday, March 09, 2015 5:09 PM

To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

Eric,
I verified on my end that the packet is now being sent in correct format.

Channel: Socket
[2015/03/09 16:00:45] Trying to send message
Address: 10.20.61.77:1111
Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,
Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 11:15 AM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S3III

----- Original message -----

From: Nikhil Mehta

Date:03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Andrew Murphy
Cc: Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,
I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

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Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: +1 (201) 708-9817

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

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From: Eric W. Nisbet
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Subject: RE: Shotspotter

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From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Monday, March 09, 2015 7:44 PM EDT
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

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From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

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FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

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Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
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Eric W. Nisbet
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Lan-Tel Communications, Inc.

Cell - 781-760-8505



Sent from my Galaxy SIII

----- Original message -----

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</INCIUPD>
```

Connection status changed to True

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Eric

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, March 09, 2015 7:51 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>

Subject: RE: Shotspotter

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, March 09, 2015 4:45 PM

To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

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To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy

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Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

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Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S3III

----- Original message -----

From: Nikhil Mehta
Date: 03/09/2015 2:06 PM (GMT-05:00)
To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy
Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,
I've corrected the XML format and you should now see the packet in correct format as mentioned below.

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Connection status changed to True

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Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Michael Kane <michael.kane@boston.gov>

Sent: Tuesday, March 10, 2015 9:50 AM EDT

To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

Subject: Can you give me a brief write up of how VIDSYS could integrate the following systems

DVTel
Avigilion
Genetech
Legacy cctv systems

Thanks

Mike

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Tuesday, March 10, 2015 10:25 AM EDT

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>

Subject: Re: Can you give me a brief write up of how VIDSYS could integrate the following systems

Will do

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

[1400 Providence Highway, Suite 2000](#)

[Norwood, MA 02062](#)

Cell: [617-413-2148](#)

Phone: [781-352-2427](#)

Fax: [781-551-8667](#)

ejohnson@lan-tel.com

www.lan-tel.com

On Mar 10, 2015, at 9:50 AM, Michael Kane <michael.kane@boston.gov> wrote:

DVTel

Avigilion

Genetech

Legacy cctv systems

Thanks

Mike

Michael Kane

Regional Planner

City of Boston

Office of Emergency Management

617-635-1400

617-895-7215

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Tuesday, March 10, 2015 1:28 PM EDT

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>

CC: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>

Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

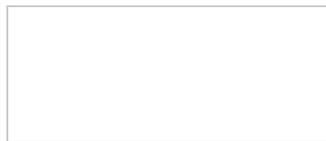
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

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To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

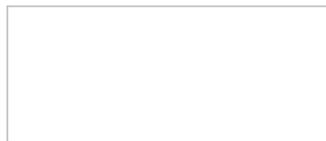
From: Andrew Murphy [mailto:andrew.murphy@boston.gov]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



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Do you want us to send notifications to other server too?

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Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S3MII

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Just got this on the Server

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Sent: Tuesday, March 10, 2015 5:32 PM EDT
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>
CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvtel.com>>
Subject: Re: Shotspotter
Attachment(s): "image001.png"

Somerville is . We will have a slight delay Eric Nisbet had a family emergency today . I took him off email for now. I will let you know when we will test .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781-352-2427](tel:781-352-2427)
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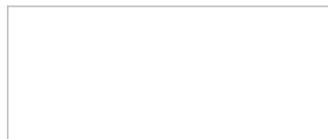
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Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S®III

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, March 10, 2015 9:47 PM EDT
To: Michael Kane <Michael Kane <Michael.Kane@boston.gov>>
Subject: Vidsys
Attachment(s): "VidSys doc.docx"

From: Michael Kane <michael.kane@boston.gov>
Sent: Wednesday, March 11, 2015 8:27 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Vidsys

Perfect thanks Eric. If you want to meet Friday I can give you the background.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

On Mar 10, 2015, at 9:47 PM, Eric Johnson <ejohnson@lan-tel.com> wrote:

<VidSys doc.docx>

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 11, 2015 9:05 AM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Re: Vidsys

Will do thanks

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
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To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
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Shotspotter Notification Engine are done and now sending packet to Somerville server.
I can see the packets being delivered successfully, please confirm.

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Channel: Socket
[2015/03/09 16:00:45] Trying to send message
Address: [10.20.61.77-1111](tel:10.20.61.77-1111)
Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

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Sent from my Galaxy S@III

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Principal Software Engineer
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Sent: Monday, March 09, 2015 12:12 PM
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Just got this on the Server

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To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
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Checking now.

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Which one do you want to test next?

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From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta
Date: 03/09/2015 2:06 PM (GMT-05:00)
To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy
Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,
I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I got the following reply from DVTEL that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:
"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Thursday, March 12, 2015 3:21 PM EDT
To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: RE: Shotspotter

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Thursday, March 12, 2015 3:19 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Great!
Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.
I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,
FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,
I verified on my end that the packet is now being sent in correct format.

Channel: Socket
[2015/03/09 16:00:45] Trying to send message
Address: 10.20.61.77:1111
Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S3III

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Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
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Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Eric Johnson <ejohnson@Lan-Tel.com>

Sent: Monday, March 16, 2015 8:26 AM EDT

To: Michael Kane <Michael Kane <michael.kane@boston.gov>>

CC: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Deirdre.Habershaw@cityofboston.gov

Subject: Starting upgrade

We are kicking off upgrade in Brookline today.

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

[1400 Providence Highway, Suite 2000](#)

[Norwood, MA 02062](#)

Cell: [617-413-2148](#)

Phone: [781-352-2427](#)

Fax: [781-551-8667](#)

ejohnson@lan-tel.com

www.lan-tel.com

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Monday, March 16, 2015 1:57 PM EDT
To: Mike Kane <Mike Kane <michael.kane@boston.gov>>
Subject: Signed Contract Docs
Attachment(s): "DOC031615-003.pdf"

Hi Mike,

I'll send these for overnight delivery. Here's hoping neither one of us has to deal with this anymore! LOL

Thanks,

Kate



Kate Waldron
Director of Business Operations
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.352.4134
Fax: 781.551.8667
Cell: 617.680.1351
kwaldron@lan-tel.com
www.lan-tel.com

From: Murray Shafiroff <murray.shafiroff@boston.gov>

Sent: Wednesday, March 18, 2015 7:09 AM EDT

To: Alexandros Pelekanakis <Alexandros Pelekanakis <apelekanakis@genetec.com>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Daniel Keeler <Daniel Keeler <daniel.keeler@pd.boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; Francisco Skelton <Francisco Skelton <francisco.skelton@boston.gov>>; Jeff Beers <Jeff Beers <jbeers@bphc.org>>; Jerry Turner <Jerry Turner <jerry.turner@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Keith Sullivan <Keith Sullivan <ksullivan@vidsys.com>>; Larry Louis <Larry Louis <larry.louis@boston.gov>>; Michael Driscoll <Michael Driscoll <mdriscoll@dvtel.com>>; Michael Kane <Michael Kane <michael.kane@boston.gov>>; Shawn Romanoski <Shawn Romanoski <shawn.romanoski@pd.boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Anne Vaillancourt <Anne Vaillancourt <availlancourt@genetec.com>>; bhenry@mbta.com <bhenry@mbta.com>; Brian Barcelou <Brian Barcelou <brian.barcelou@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Larkin, Garrett; jfullerton@genetec.com <jfullerton@genetec.com>; jwarchol@bpl.org; mfrench@lan-tel.com <mfrench@lan-tel.com>; Mark Hammond <Mark Hammond <mhammond@vidsys.com>>; Nelson Vasconcelos <Nelson Vasconcelos <nelson.vasconcelos@siemens.com>>; Reidy, Richard; Stephanie Nappi <Stephanie Nappi <stephanie.nappi@siemens.com>>; Timothy Galvin <Timothy Galvin <tgalvin@vidsys.com>>; Deloriea, Tom; Vincent Stancato <Vincent Stancato <vincent.stancato@pd.boston.gov>>; Zebedeo Pena <Zebedeo Pena <zpena@genetec.com>>

Subject: Agenda- City Wide Camera Meeting

Attachment(s): "Agenda- Security Camera Strategy 03-18-15.docx"

Guys,

Please find attached the Agenda for todays meeting.

Thanks
Murray

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, March 19, 2015 12:29 PM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
Subject: Fwd: Quincy Police Cameras/Fiber project

This is what I have for Quincy total of 7 sites .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781- 352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

Begin forwarded message:

From: Joe P <jpejonovich@quincyma.gov>
Date: March 19, 2015 at 10:54:17 AM EDT
To: 'Eric Johnson' <ejohnson@Lan-Tel.com>
Cc: <RGILLAN@quincyma.gov>
Subject: Quincy Police Cameras/Fiber project

Lt R Gillan- 4 sites to relocate cameras :
(This has been in the works for over 2 years)

- 1- Merrymount Parkway- on a pole inside the EOC parking area to capture cars coming in & out as well as Pageant Field
- 2- Wollaston Fire Station- 80 Clay St
- 3- Pagano Towers- 109 Curtis Ave
- 4- Presidents Place -looking towards T station, City Hall & McIntyre Mall area

Quincy Fiber Project to Maritime Center - 3 camera:

- 2 Camera on top of Maritime Center
- 1 camera on pole# 139 located on Sea St (by Peterson Rd) in Houghs Neck

Thanks,
Joe

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, March 19, 2015 12:36 PM EDT

To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>

Subject: Re: Quincy Police Cameras/Fiber project EHP locations

Perfect thanks . Sent EHP up today.

Will let you know when approvals are complete.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

On Mar 19, 2015, at 12:29 PM, Eric Johnson <ejohnson@lan-tel.com> wrote:

This is what I have for Quincy total of 7 sites .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781- 352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

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Cc: <RGILLAN@quincyma.gov>
Subject: Quincy Police Cameras/Fiber project

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(This has been in the works for over 2 years)

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- 4- Presidents Place -looking towards T station, City Hall & McIntyre Mall area

Quincy Fiber Project to Maritime Center - 3 camera:

- 2 Camera on top of Maritime Center
- 1 camera on pole# 139 located on Sea St (by Peterson Rd) in Houghs Neck

Thanks,
Joe

From: Michael Kane <michael.kane@boston.gov>

Sent: Tuesday, March 24, 2015 2:07 PM EDT

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

CC: Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; brenda. jones <brenda.jones@boston.gov>>

Subject: MK: EHP For Quincy Fiber Pull

Hi Chuck,

I am still waiting on EHP approval from DHS via EOPSS. Should be another few days.

This project is vetted, supported, and funded by OEM.

It is not being held up we are just waiting on our approvals that we need.

Mike

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Murray Shafiroff <murray.shafiroff@boston.gov>

Sent: Wednesday, March 25, 2015 7:03 AM EDT

To: Alexandros Pelekanakis <Alexandros.Pelekanakis@genetec.com>; Anne Vaillancourt <Anne.Vaillancourt@genetec.com>; Brett Haynes <Brett.Haynes@boston.gov>; Brian Barcelou <Brian.Barcelou@pd.boston.gov>; Brian Henry <Brian.Henry@mbta.com>; Dan Rothman <Dan.Rothman@boston.gov>; Daniel Keeler <Daniel.Keeler@pd.boston.gov>; Don Burgess <Don.Burgess@boston.gov>; Eric Johnson <Eric.Johnson@lan-tel.com>; Francisco Skelton <Francisco.Skelton@boston.gov>; Jeff Beers <Jeff.Beers@bphc.org>; Jerry Turner <Jerry.Turner@boston.gov>; Jim Fitzpatrick <Jim.Fitzpatrick@pd.boston.gov>; Larry Louis <Larry.Louis@boston.gov>; Michael Driscoll <Michael.Driscoll@dvitel.com>; Michael Kane <Michael.Kane@boston.gov>; Nelson Vasconcelos <Nelson.Vasconcelos@siemens.com>; Richard Reidy <Richard.Reidy@siemens.com>; Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>; Stephanie Nappi <Stephanie.Nappi@siemens.com>; Timothy Galvin <Timothy.Galvin@vidsys.com>; Tom Deloriea <Tom.Deloriea@isilon.com>; Vincent Stancato <Vincent.Stancato@pd.boston.gov>; William Joyce <William.Joyce@boston.gov>; Wilson Aleman <Wilson.Aleman@boston.gov>; Larkin, Garrett; jason.marshall@pd.boston.gov <jason.marshall@pd.boston.gov>; jfullerton@genetec.com <jfullerton@genetec.com>; jwarchol@bpl.org; Sullivan, Keith; mfrench@lan-tel.com <mfrench@lan-tel.com>; Mark Hammond <Mark.Hammond@mhammond@vidsys.com>; Zebedeo Pena <Zebedeo.Pena@genetec.com>

Subject: Agenda for today's Camera Meeting

Attachment(s): "Agenda- Security Camera Strategy 03-25-15.docx"

Guys,

Please find attached the agenda for today's meeting.

Thanks
Murray

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 25, 2015 9:51 AM EDT
To: Michael Kane <Michael Kane <Michael.Kane@boston.gov>>
CC: John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Mike French <Mike French <mfrench@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>
Subject: CIMS Upgrade Summary Week 1
Attachment(s): "CIMS 2015 upgrade.xlsx"

Mike
Here is week 1 summary.

Thanks
Eric

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Thursday, March 26, 2015 11:52 AM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>

CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Thursday, March 12, 2015 3:19 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

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I can see the packets being delivered successfully, please confirm.

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Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.

Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

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Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

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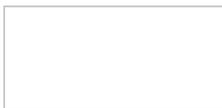
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Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+12017089817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Chuck Wade <Chuck@Interisle.net>

Sent: Thursday, March 26, 2015 3:18 PM EDT

To: Christian Lahti <Christian.Lahti@ShotSpotter.com>; Nikhil Mehta <Nikhil.Mehta@ShotSpotter.com>

CC: Andrew Murphy <Andrew.Murphy@Boston.gov>; Eric Nisbet <Eric.Nisbet@LAN-TEL.com>; Eric Johnson <Eric.Johnson@LAN-TEL.com>; Michael French <Michael.French@LAN-TEL.com>; Colin Strutt <Colin.Strutt@Interisle.net>

Subject: PSnet: Host to ping monitor at ShotSpotter data center

Attachment(s): "smime.p7s"

Christian, Nikhil,

I have implemented a set of firewall rules to allow our network monitoring system to periodically ping probe a host on the other side of the IPsec tunnel to your data center. This will allow us to maintain continuous status on connectivity between ShotSpotter and PSnet, along with some basic performance and uptime statistics.

My question for you is which host would you like to have us direct pings to?

I have tested our firewall configuration using [REDACTED] which I believe is a test host at your site. Perhaps a firewall or gateway address at your end would be better [REDACTED] monitoring, or we could go directly to the notification engine. For the record, the ping packets will be sourced from [REDACTED] which is a NAT address on our end. Actual traffic will be quite modest, and we can adjust probe rates as appropriate. Only the PSnet monitoring systems will be allowed to send pings to the NAT address on our end, and hence to your system. This should prevent any abuse, and I can also impose traffic policing if deemed appropriate.

If you want to perform similar ping monitoring, I suggest you probe <[REDACTED]> which is our firewall.

As far as I can tell, the connection to your site has been pretty solid. If you see any problems, let me know. We can also share our stats with you on the connectivity between our sites. This may be helpful if we run into any ISP issues.

Thanks...

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, March 26, 2015 10:54 PM EDT

To: Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

Subject: MK: EHP for Quincy

I have confirmation the EHP is under review at DHS. Hope to have an update tomorrow.

Michael Kane
Regional Planner
City of Boston
Office of Emergency Management
617-635-1400
617-895-7215

From: Vickie Balaschi <VBalaschi@Lan-Tel.com>

Sent: Monday, March 30, 2015 11:35 AM EDT

To: Michael Kane (Michael.Kane@cityofboston.gov) <Michael.Kane@cityofboston.gov>
<Michael.Kane@cityofboston.gov>>; Deirdre Habershaw (deirdre.habershaw@boston.gov) <Deirdre Habershaw
(deirdre.habershaw@boston.gov) <deirdre.habershaw@boston.gov>>

CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: February CIMS Billing

Attachment(s): "February Invoice 9913489.pdf", "February Work Ticket Copies.pdf", "February 2015 Billing.xls"

Good Morning,

Please find the attached invoice and backup for CIMS work done in February. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,
Vickie



Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: 781.352.4637

Fax: 781.551.8667

Cell: 774.766.8616

vbalaschi@lan-tel.com

www.lan-tel.com

From: Murray Shafiroff <murray.shafiroff@boston.gov>

Sent: Wednesday, April 01, 2015 7:10 AM EDT

To: Alexandros Pelekanakis <Alexandros Pelekanakis <apelekanakis@genetec.com>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Brian Barcelou <Brian Barcelou <brian.barcelou@pd.boston.gov>>; Brian Henry <Brian Henry <bhenry@mbta.com>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; Francisco Skelton <Francisco Skelton <francisco.skelton@boston.gov>>; Garrett Larkin <Garrett Larkin <garrett.larkin@isilon.com>>; Jarrod Fullerton <Jarrod Fullerton <jfullerton@genetec.com>>; Jeff Beers <Jeff Beers <jbeers@bphc.org>>; Jerry Turner <Jerry Turner <jerry.turner@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Keith Sullivan <Keith Sullivan <ksullivan@vidsys.com>>; Larry Louis <Larry Louis <larry.louis@boston.gov>>; Mark Hammond <Mark Hammond <mhammond@vidsys.com>>; Michael Kane <Michael Kane <michael.kane@boston.gov>>; Nelson Vasconcelos <Nelson Vasconcelos <nelson.vasconcelos@siemens.com>>; Richard Reidy <Richard Reidy <richard.reidy@siemens.com>>; Shawn Romanoski <Shawn Romanoski <shawn.romanoski@pd.boston.gov>>; Timothy Galvin <Timothy Galvin <tgalvin@vidsys.com>>; Tom Deloriea <Tom Deloriea <tom.deloriea@isilon.com>>; Vincent Stancato <Vincent Stancato <vincent.stancato@pd.boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Anne Vaillancourt <Anne Vaillancourt <avallancourt@genetec.com>>; Daniel Keeler <Daniel Keeler <daniel.keeler@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason Marshall <Jason Marshall <jason.marshall@pd.boston.gov>>; jwarchol@bpl.org; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; mfrench@lan-tel.com <mfrench@lan-tel.com>; Stephanie Nappi <Stephanie Nappi <stephanie.nappi@siemens.com>>; Zebedeo Pena <Zebedeo Pena <zpena@genetec.com>>

Subject: Agenda - City Wide Camera Strategy

Attachment(s): "Agenda- Security Camera Strategy 04-01-15.docx"

Guys,

Please find attached the Agenda for today's meeting.

Thanks
Murray

From: Michael Kane <michael.kane@boston.gov>

Sent: Wednesday, April 01, 2015 9:46 AM EDT

To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>

CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

Subject: MK: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches

Lt. and Chuck,

Can you assist me with the following questions for the EHP finalization:

- Please provide labeled aerial photos showing where the fiber cable will be strung. I will work with my office to do this. Please send me the lat/long
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- Please provide the year built for the buildings on which cameras (and conduit, if applicable) will (or possibly could) be installed. LT Gillian please provide this information if you have it available
- Please provide labeled aerial and ground level photos of the locations where the cameras would be installed. Mike Kane will resubmit photos but LT please send me the street light lat/long coordinates so I can do the aerial photo over the street lights. I did not submit this view initially.

I am available after 1600 today if you have any questions or all day tomorrow for a quick call.

Mike

----- Forwarded message -----

From: Barron, Jenny (HSB) <jenny.barron@state.ma.us>

Date: Wed, Apr 1, 2015 at 9:23 AM

Subject: FW: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches

To: "Michael Kane (michael.kane@boston.gov)" <michael.kane@boston.gov>

From: Scida, Pasquale [mailto:Pasquale.Scida@fema.dhs.gov]

Sent: Tuesday, March 31, 2015 12:48 PM

To: Barron, Jenny (OGR)

Cc: Donehoo, Dennis

Subject: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches

Hi Jenny,

In order to begin the EHP review for the above project, we need some additional information:

- Please provide labeled aerial photos showing where the fiber cable will be strung.
- Will any conduit need to be installed for the fiber cable? If so, please provide photos of the locations where conduit would be installed.
- Please provide the year built for the buildings on which cameras (and conduit, if applicable) will (or possibly could) be installed.
- Please provide labeled aerial and ground level photos of the locations where the cameras would be installed.

Once we receive this information we can proceed with the EHP review.

Thanks, and let me know if you have any questions about this request.

Pat

Pat Scida

Environmental Protection Specialist

Grant Programs Directorate, FEMA

800 K Street NW, Washington DC 20001

Office: [\(202\) 786-9961](tel:(202)786-9961)

Mobile: [\(202\) 412-0078](tel:(202)412-0078)

From: Scida, Pasquale
Sent: Tuesday, March 31, 2015 12:15 PM
To: Barron, Jenny (HSB) (jenny.barron@state.ma.us)
Cc: Donehoo, Dennis; Bagorazzi, Lynn
Subject: Project Received: 2013-SS-00027 (20092) Quinicy, MA - Fiber Cable, Cameras, Switches

Good Afternoon,

Thank you for your EHP Review Packet. Your packet has been submitted for the first stage of a review in accordance with the National Environmental Policy Act (NEPA).

Your project has been assigned the following Case ID: **2013-SS-00027 (20092)**. Please refer to this number in all future correspondence.

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This e-mail does not constitute project approval.

Please contact me with any questions or concerns.

Thanks,

Pat

Pat Scida

Environmental Protection Specialist

Grant Programs Directorate, FEMA
800 K Street NW, Washington DC 20001
Office: [\(202\) 786-9961](tel:(202)786-9961)
Mobile: [\(202\) 412-0078](tel:(202)412-0078)

From: McWaters-Bjorkman, Elizabeth
Sent: Thursday, March 26, 2015 4:42 PM
To: GPDEHPinfo
Subject: Submittal for Quincy MA

From: McWaters-Bjorkman, Elizabeth [<mailto:Elizabeth.Mcwaters-Bjorkman@fema.dhs.gov>]
Sent: Thursday, March 26, 2015 4:16 PM
To: Barron, Jenny (OGR)
Subject: RE: Pt 1 of 2 CIMS EHP QUINCY

Jenny,

We are unable to access the link below for this or the second email. Could you please have the screening form and related files attached to an email sent to GPDEHPinfo@fema.dhs

Beth McWaters-Bjorkman
Environmental Protection Specialist
GPD/GO EHP Branch
DHS/FEMA
800 K Street NW Room 9527
Washington D.C. 20472
Phone: [202-786-9854](tel:202-786-9854)
Elizabeth.mcwaters-bjorkman@fema.dhs.gov

From: Barron, Jenny (HSB) [<mailto:jenny.barron@state.ma.us>]
Sent: Monday, March 23, 2015 12:12 PM
To: GPDEHPinfo
Cc: Donehoo, Dennis
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Good Afternoon –

I have attached an EHP for your review from the Boston UASI to install cameras at various locations. Due to the size of the document it has been shared with me via shared drive/website. Please let me know if you have any questions.

<https://drive.google.com/file/d/0B1224FdkIzCQTm90aXZlb3Zjd1U/view?usp=sharing>

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Chuck Wade <Chuck@Interisle.net>
Sent: Wednesday, April 01, 2015 11:07 AM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>
CC: Deirdre Habershaw <Deirdre Habershaw <deirdre.habershaw@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Eric Ricciardi <Eric Ricciardi <ERicciardi@QuincyMA.gov>>; Joe Pepjonovich <Joe Pepjonovich <JPepjonovich@QuincyMA.gov>>
Subject: Re: MK: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches
Attachment(s): "smime.p7s"

Mike,

Regarding conduit, all fiber will be strung aerially, on poles, within the municipal gains. No new conduit will be trenched, and no existing conduit will be used for this fiber extension.

I have added Eric Ricciardi and Joe Pepjonovich to this distribution list, so they are aware of my statement on the conduit.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 4/1/15 9:46 AM, Michael Kane wrote:

Lt. and Chuck,

Can you assist me with the following questions for the EHP finalization:

- Please provide labeled aerial photos showing where the fiber cable will be strung. **I will work with my office to do this. Please send me the lat/long**
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I am available after 1600 today if you have any questions or all day tomorrow for a quick call.

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Date: Wed, Apr 1, 2015 at 9:23 AM
Subject: FW: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches
To: "Michael Kane (<michael.kane@boston.gov>)" <michael.kane@boston.gov>

From: Scida, Pasquale [mailto:Pasquale.Scida@fema.dhs.gov]
Sent: Tuesday, March 31, 2015 12:48 PM
To: Barron, Jenny (OGR)
Cc: Donehoo, Dennis
Subject: Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches

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Thanks, and let me know if you have any questions about this request.

Pat

Pat Scida

Environmental Protection Specialist

Grant Programs Directorate, FEMA

800 K Street NW, Washington DC 20001

Office: [\(202\) 786-9961](tel:2027869961)

Mobile: [\(202\) 412-0078](tel:2024120078)

From: Scida, Pasquale

Sent: Tuesday, March 31, 2015 12:15 PM

To: Barron, Jenny (HSB) (jenny.barron@state.ma.us)

Cc: Donehoo, Dennis; Bagorazzi, Lynn

Subject: Project Received: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches

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Grant Programs Directorate, FEMA

800 K Street NW, Washington DC 20001

Office: [\(202\) 786-9961](tel:(202)786-9961)

Mobile: [\(202\) 412-0078](tel:(202)412-0078)

From: McWaters-Bjorkman, Elizabeth
Sent: Thursday, March 26, 2015 4:42 PM
To: GPDEHPinfo
Subject: Submittal for Quincy MA

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Sent: Thursday, March 26, 2015 4:16 PM
To: Barron, Jenny (OGR)
Subject: RE: Pt 1 of 2 CIMS EHP QUINCY

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Beth McWaters-Bjorkman

Environmental Protection Specialist

GPD/GO EHP Branch

DHS/FEMA

800 K Street NW Room 9527

Washington D.C. 20472

Phone: [202-786-9854](tel:202-786-9854)

Elizabeth.mcwaters-bjorkman@ fema.dhs.gov

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--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Wednesday, April 01, 2015 11:39 AM EDT
To: Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>
Subject: MK:URGENT Additional Information Needed: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches
Attachment(s): "smime.p7s"

Hi Joe,

Can you assist me with this request on the Lat/Longs for the 4 camera sites as well as the original date of construction of the marina.

Mike

----- Forwarded message -----

From: **Chuck Wade** <Chuck@interisle.net>
Date: Wed, Apr 1, 2015 at 11:26 AM
Subject: Re: MK: Additional Information Needed: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches
To: Michael Kane <michael.kane@boston.gov>

Mike,

I'm leaving right now (and I'm late) for Brookline, where I'm completing the upgrade of their Town Hall node. Hence, I'm not going to be able to do this until this evening. I would think that Lt. Gillan or Joe Pepjonovich should have this information, as would Eric Johnson.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
[+1 508 435-3050](tel:+15084353050) Office
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Washington D.C. 20472

Phone: [202-786-9854](tel:202-786-9854)

Elizabeth.mcwaters-bjorkman@ fema.dhs.gov

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Regional Planner

Office of Emergency Management (OEM)

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michael.kane@boston.gov

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michael.kane@boston.gov

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michael.kane@boston.gov

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Sent: Wednesday, April 01, 2015 12:08 PM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>
Subject: Re: MK:URGENT Additional Information Needed: 2013-SS-00027 (20092) Quincy, MA - Fiber Cable, Cameras, Switches

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Sent: Thursday, March 26, 2015 4:42 PM
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Attachment(s): "EHP QUINCY POLICE MARINA AND SECURITY CAMERA INSTALLATION Revised 4.1.15.docx"

Joe, Eric, and Chuck-

Pleased see amended doc per DHS guidance:

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[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781-352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

On Apr 1, 2015, at 1:42 PM, Michael Kane <michael.kane@boston.gov> wrote:

Joe, Eric, and Chuck-

Pleased see amended doc per DHS guidance:

Please review and amend. FYI 4- Presidents Place -looking towards T station, City Hall & McIntyre Mall area is out of scope.

42' 15' .08 .37 N / 71' 00' .12.39 W

On Wed, Apr 1, 2015 at 12:41 PM, JoeP <jpepjonovich@quincyma.gov<<mailto:jpepjonovich@quincyma.gov>>> wrote:

Thanks Eric

First day back from vacation...

Joe

...

On Apr 1, 2015, at 12:08 PM, Eric Johnson <ejohnson@Lan-Tel.com<<mailto:ejohnson@Lan-Tel.com>>> wrote:

1- Merrymount Parkway- on a pole inside the EOC parking area to capture cars coming in & out as well as Pageant Field -

42' 15' 39.34 N / 71' 00' 08.98 W

2- Wollaston Fire Station- 80 Clay St

42' 15' 55.71N / 71' 01' 11.05 W

3- Pagano Towers- 109 Curtis Ave

42' 14' 50.97 N / 70' 50' 34.03 W

4- Presidents Place -looking towards T station, City Hall & McIntyre Mall area

42' 15' .08 .37 N / 71' 00' .12.39 W

Quincy Fiber Project to Maritime Center - 3 camera:

2 Camera on top of Maritime Center

42' 16' 17.95 N / 70' 57' 01.06 W

1 camera on pole# 139 located on Sea St (by Peterson Rd)

42' 15' 57.59 N / 70' 58' 11.01 W

From: Michael Kane <michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>>

Sent: Wednesday, April 1, 2015 11:39 AM
To: Joe Pepjonovich
Cc: Eric Johnson; Chuck Wade; Robert Gillan
Subject: MK:URGENT Additional Information Needed: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches

Hi Joe,

Can you assist me with this request on the Lat/Longs for the 4 camera sites as well as the original date of construction of the marina.

Mike

----- Forwarded message -----

From: Chuck Wade <Chuck@interisle.net<<mailto:Chuck@interisle.net>>>
Date: Wed, Apr 1, 2015 at 11:26 AM
Subject: Re: MK: Additional Information Needed: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches
To: Michael Kane <michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>>

Mike,

I'm leaving right now (and I'm late) for Brookline, where I'm completing the upgrade of their Town Hall node. Hence, I'm not going to be able to do this until this evening. I would think that Lt. Gillan or Joe Pepjonovich should have this information, as would Eric Johnson.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050<tel:%2B1%C2%A0%20508%20435-3050> Office
+1 508 277-6439<tel:%2B1%C2%A0%20508%20277-6439> Mobile
www.interisle.net<<http://www.interisle.net>>

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050<tel:%2B1%C2%A0%20508%20435-3050> Office
+1 508 277-6439<tel:%2B1%C2%A0%20508%20277-6439> Mobile
www.interisle.net<<http://www.interisle.net>>

On 4/1/15 9:46 AM, Michael Kane wrote:
Lt. and Chuck,

Can you assist me with the following questions for the EHP finalization:

- Please provide labeled aerial photos showing where the fiber cable will be strung. I will work with my office to do this. Please send me the lat/long
- Will any conduit need to be installed for the fiber cable? If so, please provide photos of the locations where conduit would be installed. Chuck please provide info
- Please provide the year built for the buildings on which cameras (and conduit, if applicable) will (or possibly could) be installed. LT Gillian please provide this information if you have it available
- Please provide labeled aerial and ground level photos of the locations where the cameras would be installed. Mike Kane will resubmit photos but LT please send me the street light lat/long coordinates so I can do the aerial photo over the street lights. I did not submit this view initially.

I am available after 1600 today if you have any questions or all day tomorrow for a quick call.

Mike

----- Forwarded message -----

From: Barron, Jenny (HSB) <jenny.barron@state.ma.us<<mailto:jenny.barron@state.ma.us>>>
Date: Wed, Apr 1, 2015 at 9:23 AM
Subject: FW: Additional Information Needed: 2013-SS-00027 (20092) Qunicy, MA - Fiber Cable, Cameras, Switches

To: "Michael Kane (michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>)"
<michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>>

From: Scida, Pasquale [<mailto:Pasquale.Scida@fema.dhs.gov><<mailto:Pasquale.Scida@fema.dhs.gov>>]
Sent: Tuesday, March 31, 2015 12:48 PM
To: Barron, Jenny (OGR)
Cc: Donehoo, Dennis
Subject: Additonal Information Needed: 2013-SS-00027 (20092) Quinicy, MA - Fiber Cable, Cameras, Switches

Hi Jenny,

In order to begin the EHP review for the above project, we need some additional information:

- Please provide labeled aerial photos showing where the fiber cable will be strung.
- Will any conduit need to be installed for the fiber cable? If so, please provide photos of the locations where conduit would be installed.
- Please provide the year built for the buildings on which cameras (and conduit, if applicable) will (or possibly could) be installed.
- Please provide labeled aerial and ground level photos of the locations where the cameras would be installed.

Once we receive this information we can proceed with the EHP review.

Thanks, and let me know if you have any questions about this request.

Pat

Pat Scida
Environmental Protection Specialist
Grant Programs Directorate, FEMA
800 K Street NW, Washington DC 20001
Office: (202) 786-9961<<tel:%28202%29%20786-9961>>
Mobile: (202) 412-0078<<tel:%28202%29%20412-0078>>

From: Scida, Pasquale
Sent: Tuesday, March 31, 2015 12:15 PM
To: Barron, Jenny (HSB) (jenny.barron@state.ma.us<<mailto:jenny.barron@state.ma.us>>)
Cc: Donehoo, Dennis; Bagorazzi, Lynn
Subject: Project Received: 2013-SS-00027 (20092) Quinicy, MA - Fiber Cable, Cameras, Switches

Good Afternoon,

Thank you for your EHP Review Packet. Your packet has been submitted for the first stage of a review in accordance with the National Environmental Policy Act (NEPA).

Your project has been assigned the following Case ID: 2013-SS-00027 (20092). Please refer to this number in all future correspondence.

We are typically able to inform grantees of an initial status of their submission within 30 business days of receiving a complete submission packet. If we find that your packet is incomplete we will notify you as soon as we make that finding and you will be required to resubmit additional materials before the EHP review can start.

This e-mail does not constitute project approval.

Please contact me with any questions or concerns.

Thanks,

Pat

Pat Scida
Environmental Protection Specialist
Grant Programs Directorate, FEMA
800 K Street NW, Washington DC 20001
Office: (202) 786-9961<tel:%28202%29%20786-9961>
Mobile: (202) 412-0078<tel:%28202%29%20412-0078>

From: McWaters-Bjorkman, Elizabeth
Sent: Thursday, March 26, 2015 4:42 PM
To: GPDEHPinfo
Subject: Submittal for Quincy MA

From: McWaters-Bjorkman, Elizabeth [<mailto:Elizabeth.Mcwaters-Bjorkman@fema.dhs.gov>]
Sent: Thursday, March 26, 2015 4:16 PM
To: Barron, Jenny (OGR)
Subject: RE: Pt 1 of 2 CIMS EHP QUINCY

Jenny,

We are unable to access the link below for this or the second email. Could you please have the screening form and related files attached to an email sent to GPDEHPinfo@fema.dhs.gov<<mailto:GPDEHPinfo@fema.dhs.gov>>

Beth McWaters-Bjorkman
Environmental Protection Specialist
GPD/GO EHP Branch
DHS/FEMA
800 K Street NW Room 9527
Washington D.C. 20472
Phone: 202-786-9854<tel:202-786-9854>
Elizabeth.mcwaters-bjorkman@ fema.dhs.gov<<http://fema.dhs.gov>>

From: Barron, Jenny (HSB) [<mailto:jenny.barron@state.ma.us>]<<mailto:jenny.barron@state.ma.us>>
Sent: Monday, March 23, 2015 12:12 PM
To: GPDEHPinfo
Cc: Donehoo, Dennis
Subject: Pt 1 of 2 CIMS EHP QUINCY

Good Afternoon –

I have attached an EHP for your review from the Boston UASI to install cameras at various locations. Due to the size of the document it has been shared with me via shared drive/website. Please let me know if you have any questions.

<https://drive.google.com/file/d/0B1224FdklzCQTm90aXZlb3Zjd1U/view?usp=sharing>

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323| Cell: 617-895-7215

michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>

--

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michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>

--

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--

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michael.kane@boston.gov<<mailto:michael.kane@boston.gov>>

<EHP QUINCY POLICE MARINA AND SECURITY CAMERA INSTALLATION Revised 4.1.15.docx>

From: Michael Kane <michael.kane@boston.gov>

Sent: Wednesday, April 01, 2015 2:23 PM EDT

To: Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; Robert Gillan <Robert Gillan <rgillan@quincyma.gov>>

CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

Subject: Final EHP for Review Quincy

Attachment(s): "EHP QUINCY POLICE MARINA AND SECURITY CAMERA INSTALLATION Revised 4.1.15.docx"

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Wednesday, April 01, 2015 4:07 PM EDT

To: Eric W. Nisbet <Eric.W.Nisbet@lan-tel.com>>

CC: Nikhil Mehta <Nikhil.Mehta@shotspotter.com>>; Chuck Wade <Chuck.Wade@interisle.net>>; Christian Lahti <Christian.Lahti@shotspotter.com>>; Eric Johnson <Eric.Johnson@lan-tel.com>>; Fred Goldstein <Fred.Goldstein@interisle.net>>; Colin Strutt <Colin.Strutt@interisle.net>>; Mike Driscoll <Mike.Driscoll@dvtel.com>>; John Bartolomucci <John.Bartolomucci@lan-tel.com>>

Subject: Re: Shotspotter

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy<andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S@III

----- Original message -----

From: Andrew Murphy
Date:03/26/2015 11:53 AM (GMT-05:00)

To: "Eric W. Nisbet"

Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci

Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Thursday, March 12, 2015 3:19 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Thursday, March 12, 2015 12:18 PM

To: Nikhil Mehta; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.

I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,

FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,

I verified on my end that the packet is now being sent in correct format.

Channel: Socket

[2015/03/09 16:00:45] Trying to send message

Address: [10.20.61.77:1111](https://www.10.20.61.77:1111)

Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S®III

----- Original message -----

From: Nikhil Mehta

Date: 03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Andrew Murphy

Cc: Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll

Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I got the following reply from DVTel that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

```
"$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"
```

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,

Edan Kemelman

Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Michael Kane <michael.kane@boston.gov>

Sent: Wednesday, April 01, 2015 4:37 PM EDT

To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

CC: Michael Kane (Michael.Kane@cityofboston.gov) <Michael Kane (Michael.Kane@cityofboston.gov) <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw (deirdre.habershaw@boston.gov) <Deirdre Habershaw (deirdre.habershaw@boston.gov) <deirdre.habershaw@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

Subject: Re: February CIMS Billing

Good Evening Kate and John,

I am a bit alarmed and confused with the continued rental fees associated with SONET and Lan-Tel bucket trucks . February 2015 alone we are being charged \$11,200.00? My understanding from our upgrade meeting in South Boston is you have procured 2 bucket trucks? Why is this charge still appearing on our invoice? I need to withhold the Febuary payment until this matter is clarified.

I appreciate your attention to this request.

Mike

On Mon, Mar 30, 2015 at 11:35 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

Good Morning,

Please find the attached invoice and backup for CIMS work done in February. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,

Vickie



Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: [781.352.4637](tel:781.352.4637)

Fax: [781.551.8667](tel:781.551.8667)

Cell: [774.766.8616](tel:774.766.8616)

vbaldaschi@lan-tel.com

www.lan-tel.com

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, April 01, 2015 5:13 PM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>; Michael Kane (Michael.Kane@cityofboston.gov) < Michael.Kane@cityofboston.gov) <Michael.Kane@cityofboston.gov>>; Deirdre Habershaw (deirdre.habershaw@boston.gov) < Deirdre Habershaw (deirdre.habershaw@boston.gov) <deirdre.habershaw@boston.gov>>
Subject: Re: February CIMS Billing
Attachment(s): "image003.jpg"

Mike
Please disregard the current bill . It will be corrected. That was a math error on my behalf , and I did not do a final check before it was sent . While we do charge a small portion for bucket trucks on PM and maint . Like I did state in our meeting, Their will be no line item for bucket trucks on CIMS upgrade bill submittals . Sorry to alarm you .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781- 352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

On Apr 1, 2015, at 4:38 PM, Michael Kane <michael.kane@boston.gov> wrote:

Good Evening Kate and John,

I am a bit alarmed and confused with the continued rental fees associated with SONET and Lan-Tel bucket trucks . February 2015 alone we are being charged \$11,200.00? My understanding from our upgrade meeting in South Boston is you have procured 2 bucket trucks? Why is this charge still appearing on our invoice? I need to withhold the Febuary payment until this matter is clarified.

I appreciate your attention to this request.

Mike

On Mon, Mar 30, 2015 at 11:35 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

Good Morning,

Please find the attached invoice and backup for CIMS work done in February. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,

Vickie

<image003.jpg>

Vickie Balaschi

Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: [781.352.4637](tel:781.352.4637)

Fax: [781.551.8667](tel:781.551.8667)

Cell: [774.766.8616](tel:774.766.8616)

vbaldaschi@lan-tel.com

www.lan-tel.com

--

Michael Kane

Regional Planner

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Phone: [617-635-4323](tel:617-635-4323) | Cell: [617-895-7215](tel:617-895-7215)

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>
Sent: Wednesday, April 01, 2015 5:16 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: February CIMS Billing

No worries I figured that was the case. Thanks my man for the quick response.

On Wed, Apr 1, 2015 at 5:13 PM, Eric Johnson<ejohnson@lan-tel.com> wrote:

Mike

Please disregard the current bill . It will be corrected. That was a math error on my behalf , and I did not do a final check before it was sent . While we do charge a small portion for bucket trucks on PM and maint . Like I did state in our meeting, Their will be no line item for bucket trucks on CIMS upgrade bill submittals . Sorry to alarm you .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
1400 Providence Highway, Suite 2000
Norwood, MA 02062
Cell: [617-413-2148](tel:617-413-2148)
Phone: [781-352-2427](tel:781-352-2427)
Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com
www.lan-tel.com

On Apr 1, 2015, at 4:38 PM, Michael Kane <michael.kane@boston.gov> wrote:

Good Evening Kate and John,

I am a bit alarmed and confused with the continued rental fees associated with SONET and Lan-Tel bucket trucks . February 2015 alone we are being charged \$11,200.00? My understanding from our upgrade meeting in South Boston is you have procured 2 bucket trucks? Why is this charge still appearing on our invoice? I need to withhold the Febuary payment until this matter is clarified.

I appreciate your attention to this request.

Mike

On Mon, Mar 30, 2015 at 11:35 AM, Vickie Balaschi<VBalaschi@lan-tel.com> wrote:

Good Morning,

Please find the attached invoice and backup for CIMS work done in February. If you have any questions, please don't hesitate to reach out. Have a great day!

Thanks,

Vickie

<image003.jpg>

Vickie Balaschi
Marketing Manager

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Phone: [781.352.4637](tel:781.352.4637)

Fax: [781.551.8667](tel:781.551.8667)

Cell: [774.766.8616](tel:774.766.8616)

vbaldaschi@lan-tel.com

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--

Michael Kane

Regional Planner

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Michael Kane <michael.kane@boston.gov>

Sent: Thursday, April 02, 2015 9:52 AM EDT

To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>

Subject: MK: Quincy extensions & camera deployments

Chuck- How much is the Contract piece of this work? I need to do a transfer to a PS NET account internally and need a baseline figure. I budgeted 60K.

On Sun, Mar 1, 2015 at 9:19 PM, Chuck Wade<Chuck@interisle.net> wrote:

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...Chuck

Chuck Wade, Principal
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www.interisle.net

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Can you look over this draft Scope of Work and advise me on any issues you would like to see addressed. We understand your strong desire to move forward with this work, and we intend to expedite critical tasks. Once you are comfortable with this SoW, I will circulate to all parties.

Regards...

...Chuck

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Proposed Scope of Work for Quincy PSnet Extensions and new Camera Deployments

This SoW outlines responsibilities and tasking for the following contributing parties:

- MBHSR and the Boston Office of Emergency Management (MBHSR)
- The City of Quincy Police, Fire, and IT Departments (Quincy)
- Interisle Consulting and PSnet (Interisle)
- LAN-TEL and CIMS video monitoring services
- Comm-Tract
- FTG Technologies (FTG)

These parties will operate in a coordinated manner to execute the tasks outlined below in an expeditious manner. Interisle will work with both MBHSR and the City of Quincy to coordinate tasks and confirm completion to agreed standards.

The major areas of tasking include:

A: Extension of Quincy fiber optic network to reach the Police Marina at 136 Bay View Avenue

Comm-Tract will perform the following tasks:

1. A new 48-strand SM fiber cable will be strung on utility poles within the designated municipal space from

the existing splice point at the intersection of Sea and Palmer Streets out to the Police Marina at 136 Bay View Avenue. At every 1,500 feet along this route, 100 foot slack loops will be installed to enable future fiber interconnects.

2. The new cable identified in 1 above will be spliced into the existing 96-strand SM fiber cable between the Sea and Palmer splice point, and the splice point at Sea Street and Chickatabot Road.
3. A total of six strands of fiber will be spliced through from the 2nd floor server room at the Police Headquarters to the Police Marina, traversing the splice points on Sea Street identified in 2 above.
4. In the 2nd floor server room at the Police HQ, a new 4U rack mount housing for fiber termination and patching will be installed. The six strands that are spliced through to the Police Marina will be terminated on a coupler (patch) panel that will be housed in this new unit. SC connectors will be used on the coupler panel
5. A new fiber termination and patch panel will be installed at the Police Marina. The six strands of SM fiber that connect back to the Police HQ will be terminated on this fiber patch panel. The termination/patch panel will be installed inside the Police Marina at a location to be defined by the City of Quincy. SC connectors will be used to patch into the fiber.
6. The fiber and splices will be tested using OTDR and power meters at 1310nm and 1550nm wavelengths, with test results provided to the City. In particular, the six strands that will be terminated at the Police Marina will be fully tested and qualified back to the termination/patch point in the Police server room.

Note that Comm-Tract has provided a more detailed Scope of Work for these tasks and deliverables that reflects recent alignment with City IT network plans.

In support of this fiber deployment, Quincy will provide rack space in the Police HQ server room for the 4U housing for fiber termination, and a rack to be located in a secure room for the termination/patch panel at the Police Marina. The rack at the Police Marina should also be sufficient to hold network switches along with a UPS and PDU.

B: Video Distribution Switches at Quincy Police HQ

Three new Ethernet distribution switches will be provided and deployed at the Police HQ for workstation access to video servers and for other internal communications purposes. FTG will supply the switches, and will support Quincy IT in the initial deployment and configuration of these switches at the Police HQ.

FTG will supply three Cisco WS-C2960X-24PS-L switches with 24 10/100/1000BaseT copper ports, each with PoE capability. Each switch also has four SFP ports for fiber connections to the core switch at the Police HQ in the server room. These switches will be provided with the Cisco standard 1 year bundled warranty.

Quincy IT will be responsible for connecting workstations to these switches, and for integrating these switches into their existing 3750G switch stack at Police HQ.

C: Deploy four new PTZ Camera Sites using Existing Cameras with Microwave or Fiber Backhaul Communications

LAN-TEL will furnish and deploy camera mounts plus all power and communications wiring with associated conduits at four sites as follows:

1. **Police Marina** at 136 Bay View Avenue. The camera mount will either be on the roof of the Police Marina, or on a pole nearby, as determined by consultation with Lt. Gillan with Quincy Police. Communications will be back to the Police Marina, and will use the new fiber for communications to the video recording systems at Police HQ.
2. **Pageant Field** across Vietnam Veterans Drive from the Quincy Park and Forestry Offices. The camera mount will likely be on an existing pole in this field, to be determined in consultation with Quincy Police. Camera communications will be back to the Recreation Offices, where there is existing fiber termination and PSnet switches for communication back to Police HQ.
3. **Pagnano Towers**, Quincy Housing Authority, **109 Curtis Avenue**. Camera mount to be deployed on the roof in accordance to guidance from Quincy Police and Housing Authority representatives. A microwave backhaul will be needed to get camera feed back to Police HQ, since there is no fiber to this building. The most likely backhaul site is O'Brien Towers across the Town River Bay.
4. **Intersection of Newport Avenue and Beale Street** Camera to be mounted on traffic signal pole. Backhaul communications will be via microwave link. This site is near the new Central Middle School (<2,500'), which is on City fiber, and would be a preferred backhaul site. Another possible backhaul site is 100 Newport Avenue.

Note that the City will provide the cameras, which are being redeployed from other sites.

The City of Quincy will provide bandwidth for camera backhaul communications on its fiber plant as appropriate. LAN-TEL and Interisle will also work with the City to explore options for optimizing camera communications taking into consideration plans for subsequent camera sites and network extensions.

D: PSnet Extensions to Police Marina and to support Camera Backhaul

Interisle will extend PSnet communications to the Police Marina utilizing the new fiber being deployed to this site. This will include:

1. Deploying and configuring at least one, but possibly two, PSnet Layer 2/3 switches at the Police Marina with fiber optic transceivers for lighting the fiber back to the Police HQ. These switches will be housed in an equipment rack to be provided by Quincy. The argument for deploying two switches is to improve resilience through redundancy, but this would only make sense if two fiber pairs are allocated.
2. Completing the fiber optic connections from the Police Marina into the PSnet switches located in the Police HQ.
3. Integrating new Police Marina switch(es) and fiber optic communications into PSnet management system for continuous monitoring.
4. Provide at least four ports for camera connections at Police Marina, and at least four additional ports for use by Quincy for internal communications to this site. City communications may be configured as a "VLAN tunnel" to provide traffic isolation and flexibility to carry multiple VLANs for different applications.
5. At Quincy's option, a refurbished UPS can be provided at the Police Marina to handle short term power interruptions. If PSnet provides this UPS, it will be integrated into the network management system for continuous monitoring and logging. If Quincy provides its own UPS, it may be possible to integrate this with PSnet management depending on brand/model/configuration.
6. For camera backhaul at other sites, Interisle will assist with integration of microwave radios and incorporation into network management systems. Interisle will help coordinate frequency use, and will implement adequate over-the-air security measures.

E: Project Coordination

Interisle will coordinate with all players involved with these extensions and upgrades to help achieve effective system integration and resolution of any problems that crop up as good plans meet the reality of actual deployments. Some specific tasks include:

1. Project status memos to MBHSR, Quincy, and the other contributors as appropriate. These memos will also advise project contributors of issues that may affect their plans/work.
2. Manage activities to best meet the needs and objectives of the MBHSR and Quincy stakeholders.
3. Serve as a central focal point for flagging issues and coordinating schedules and activities of the contributors.
4. Facilitate steps to complete qualification and acceptance of deliverables, especially where one contributor's deliverables have dependencies on deliverables or system integration provided by other players.

Project Scheduling

It is essential that all work be completed and signed off on by stakeholders prior to July 31, 2015. All invoices must also have been submitted by this date. However, it is in everyone's interest to complete this work well before this deadline.

In particular, completing the fiber out to the Police Marina is an essential deliverable that will impact many other deliverables and task scheduling. The plan is to start the fiber deployment as soon as authorization is received from the Office of Emergency Management (pending EHP acceptance). A priority will be placed on getting this fiber deployment under way as soon as feasible. Comm-Tract has indicated they can start within the first half of March, and complete the work within a few days.

Another short term objective will be to finalize plans for each of the camera sites, and get agreement on exactly where cameras will be mounted, how they will communicate back to Police HQ, and what additional provisions will be necessary to deliver power and communications to the cameras. It will also be important to address any concerns with building management on any internal or external wiring, and camera mounting arrangements. Any sites that will be used for camera backhaul communications will also need to be provisioned, and mounts for microwave radios planned out.

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Presumably, the video distribution switches for the Police HQ can be procured and deployed at any time. Quincy IT should set the schedule for when these deployments will take place. There is no new construction associated with these switch deployments, as they will be replacing currently deployed switches that are inadequate for video monitoring.

--

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michael.kane@boston.gov

From: Chuck Wade <Chuck@Interisle.net>
Sent: Thursday, April 02, 2015 9:59 PM EDT
To: Michael Kane <Michael Kane <michael.kane@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
CC: Andrew Murphy <Andrew Murphy <Andrew.Murphy@boston.gov>>; brenda. jones <brenda. jones <brenda.jones@boston.gov>>
Subject: Re: MK: Quincy extensions & camera deployments
Attachment(s): "SOW Quincy Add PM -136 Bayview V.04 2-18-15.pdf", "smime.p7s"

Mike,

Hopefully, you got the latest Comm-Tract SOW and quote from the folks in Quincy. If not, I've attached it to this response. Their quote is consistent with your \$60k budget.

I guess I need to ask, will you be budgeting separately for the work that the PSnet team will be doing to support these Quincy projects?

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 4/2/15 9:52 AM, Michael Kane wrote:

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Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, April 03, 2015 6:07 AM EDT
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: Shotspotter
Attachment(s): "image001.jpg", "image001.png"

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781-352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

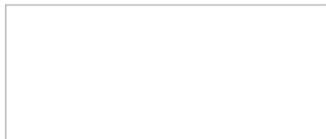
On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



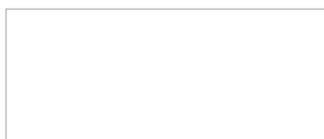
On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy<andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S@III

----- Original message -----

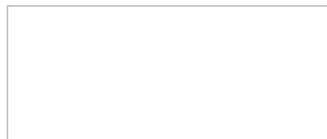
From: Andrew Murphy
Date:03/26/2015 11:53 AM (GMT-05:00)
To: "Eric W. Nisbet"
Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci
Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Thursday, March 12, 2015 3:19 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.

I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov

<image001.jpg>

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,

FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,

I verified on my end that the packet is now being sent in correct format.

Channel: Socket

[2015/03/09 16:00:45] Trying to send message

Address: [10.20.61.77:1111](https://www.ietf.org/rfc/rfc2813.txt)

Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - [781-760-8505](tel:781-760-8505)



Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta

Date: 03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Andrew Murphy

Cc: Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll

Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Monday, March 09, 2015 9:54 AM

To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I got the following reply from DVTel that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,

Edan Kemelman

Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Eric W. Nisbet <enisbet@lan-tel.com>

Sent: Friday, April 03, 2015 6:33 AM EDT

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

Looking to test this afternoon.

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S@III

----- Original message -----

From: Eric Johnson

Date: 04/03/2015 6:07 AM (GMT-05:00)

To: Andrew Murphy

Cc: "Eric W. Nisbet", Nikhil Mehta, Chuck Wade, Christian Lahti, Fred Goldstein, Colin Strutt, Mike Driscoll, John Bartolomucci

Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today. I will defer to Eric N for more details.

Respectfully,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781-352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy<andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet<enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S@III

----- Original message -----

From: Andrew Murphy
Date: 03/26/2015 11:53 AM (GMT-05:00)
To: "Eric W. Nisbet"
Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci
Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201

From: Eric W. Nisbet <enisbet@lan-tel.com>
Sent: Friday, April 03, 2015 3:03 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Eric Johnson
Sent: Friday, April 03, 2015 6:08 AM
To: Andrew Murphy
Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
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[Norwood, MA 02062](#)
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Phone: [781- 352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

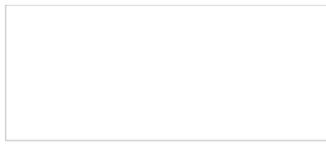
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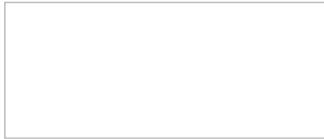
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Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S®III

----- Original message -----

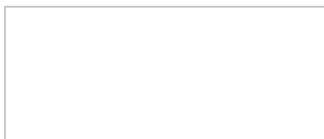
From: Andrew Murphy
Date: 03/26/2015 11:53 AM (GMT-05:00)
To: "Eric W. Nisbet"
Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci
Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

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On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:19 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Great!
Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

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Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server. I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
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Sent from my Galaxy S®III

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Thanks,
Edan Kemelman

Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

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Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
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Connection status changed to True

I'm assuming this is good news.

Eric

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Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
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Connection status changed to True

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Eric

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Friday, April 03, 2015 3:11 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

I'm available. I'll put that on my calender.

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Friday, April 03, 2015 12:03 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

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Eric



LAN-TEL
COMMUNICATIONS, INC.

WWW.LAN-TEL.COM

Eric Nisbet

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Fax: 781.551.8667
Cell: 781.760.8505



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Eric Johnson

Sent: Friday, April 03, 2015 6:08 AM

To: Andrew Murphy

Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

[1400 Providence Highway, Suite 2000](#)

[Norwood, MA 02062](#)

Cell: [617-413-2148](tel:617-413-2148)

Phone: [781-352-2427](tel:781-352-2427)

Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com

www.lan-tel.com

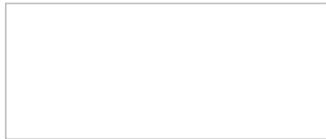
On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



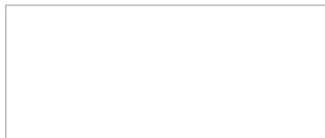
On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S®III

----- Original message -----

From: Andrew Murphy
Date: 03/26/2015 11:53 AM (GMT-05:00)
To: "Eric W. Nisbet"
Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci
Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:19 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Great!
Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.
I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

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Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
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<image001.jpg>

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

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From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,
FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

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Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,
I verified on my end that the packet is now being sent in correct format.

Channel: Socket
[2015/03/09 16:00:45] Trying to send message
Address: [10.20.61.77:1111](https://www.ietf.org/rfc/rfc2464.txt)
Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)

Sent from my Galaxy S®III

----- Original message -----

From: Nikhil Mehta
Date: 03/09/2015 2:06 PM (GMT-05:00)
To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy
Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,
I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I got the following reply from DVTel that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, April 06, 2015 10:22 AM EDT
To: Christian Lahti <Christian.Lahti@ShotSpotter.com>; Nikhil Mehta <Nikhil.Mehta@ShotSpotter.com>
CC: Andrew Murphy <Andrew.Murphy@Boston.gov>; Eric Nisbet <Eric.Nisbet@LAN-TEL.com>; Eric Johnson <Eric.Johnson@LAN-TEL.com>; Michael French <Michael.French@LAN-TEL.com>; Colin Strutt <Colin.Strutt@Interisle.net>
Subject: Re: PSnet: Host to ping monitor at ShotSpotter data center
Attachment(s): "smime.p7s"

Christian, Nikhil,

I would like to close out this issue. Can you please let me know what host or device on your end of the IPsec tunnel I should use for monitoring. I could continue to use the [REDACTED] address, or I could also use your gateway address of [REDACTED] for any other destination you prefer.

Thank you...
...Chuck

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

On 3/26/15 3:18 PM, Chuck Wade wrote:

Christian, Nikhil,

I have implemented a set of firewall rules to allow our network monitoring system to periodically ping probe a host on the other side of the IPsec tunnel to your data center. This will allow us to maintain continuous status on connectivity between ShotSpotter and PSnet, along with some basic performance and uptime statistics.

My question for you is which host would you like to have us direct pings to?

I have tested our firewall configuration using <10.112.0.38>, which I believe is a test host at your site. Perhaps a firewall or gateway address at your end would be better for this sort of monitoring, or we could go directly to the notification engine. For the record, the ping packets will be sourced from <10.20.61.231>, which is a NAT address on our end. Actual traffic will be quite modest, and we can adjust probe rates as appropriate. Only the PSnet monitoring systems will be allowed to send pings to the NAT address on our end, and hence to your system. This should prevent any abuse, and I can also impose traffic policing if deemed appropriate.

If you want to perform similar ping monitoring, I suggest you probe <10.20.61.254>, which is our firewall.

As far as I can tell, the connection to your site has been pretty solid. If you see any problems, let me know. We can also share our stats with you on the connectivity between our sites. This may be helpful if we run into any ISP issues.

Thanks...
...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office
+1 508 277-6439 Mobile
www.interisle.net

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, April 06, 2015 2:05 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 1 [REDACTED] every 30 min, please confirm once your receive the packet.

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Friday, April 03, 2015 12:03 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric



Eric Nisbet

1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.551.8599
Fax: 781.551.8667
Cell: 781.760.8505

WWW.LAN-TEL.COM



Please consider the environment before printing this e-mail
REDUCE, RECYCLE, REUSE AND RESTORE

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Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson

Project Manager

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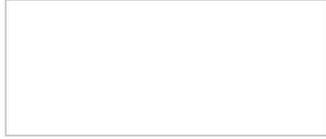
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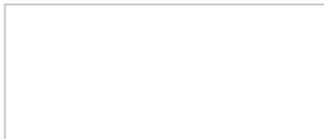
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Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S®III

----- Original message -----

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Date: 03/26/2015 11:53 AM (GMT-05:00)
To: "Eric W. Nisbet"
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Andrew Murphy
Regional Planner



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Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)

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Edan Kemelman
Principal Software Engineer
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Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](#): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, April 06, 2015 3:08 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

I'm seeing a successful delivery of the message to Everett server, can you please confirm and let me know if you would like me to move to Revere.

2015/04/06 14:42:50] Trying to send message

Address: 10.20.61.73:1111

Message: \$INCIUPD,31855,37.46404,-122.13775,2,794 Green St,6066715,2109039,2015-04-06 11:12:51*75

Nikhil

From: Nikhil Mehta

Sent: Monday, April 06, 2015 11:05 AM

To: 'Eric W. Nisbet'; Eric Johnson; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 1 [REDACTED] every 30 min, please confirm once you receive the packet.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Friday, April 03, 2015 12:03 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric



LAN-TEL
COMMUNICATIONS, INC.

WWW.LAN-TEL.COM

Eric Nisbet

1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.551.8599
Fax: 781.551.8667
Cell: 781.760.8505



This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Eric Johnson

Sent: Friday, April 03, 2015 6:08 AM

To: Andrew Murphy

Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

1400 Providence Highway, Suite 2000

[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781-352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



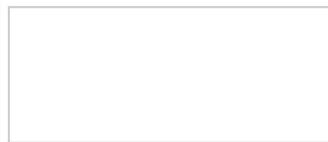
On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image001.png>

Sent from my Galaxy S®III

----- Original message -----

From: Andrew Murphy
Date: 03/26/2015 11:53 AM (GMT-05:00)

To: "Eric W. Nisbet"

Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci

Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]

Sent: Thursday, March 12, 2015 3:19 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Thursday, March 12, 2015 12:18 PM

To: Nikhil Mehta; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]

Sent: Thursday, March 12, 2015 3:09 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.

I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Thursday, March 12, 2015 11:50 AM

To: Nikhil Mehta; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov

<image001.jpg>

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,
FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,
I verified on my end that the packet is now being sent in correct format.

Channel: Socket
[2015/03/09 16:00:45] Trying to send message
Address: [10.20.61.77:1111](tel:10.20.61.77:1111)
Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)

Sent from my Galaxy S®III

----- Original message -----

From: Nikhil Mehta
Date: 03/09/2015 2:06 PM (GMT-05:00)
To: "Eric W. Nisbet", Chuck Wade, Christian Lahti, Andrew Murphy
Cc: Eric Johnson, Fred Goldstein, Colin Strutt, Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,
I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I got the following reply from DVTel that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,
Edan Kemelman
Principal Software Engineer
Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+12017089817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

[10.254.66.230/19125](tel:10.254.66.230/19125): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

[10.254.66.230/19125](tel:10.254.66.230/19125): <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Michael Kane <michael.kane@boston.gov>
Sent: Monday, April 06, 2015 3:17 PM EDT
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: MK: I got the CM 09 thank you

I sent up the contract for final approvals hope to cut a po by weekend for 600K

--

Michael Kane

Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-4323 | Cell: 617-895-7215

michael.kane@boston.gov

From: Andrew Murphy <andrew.murphy@boston.gov>

Sent: Monday, April 06, 2015 3:30 PM EDT

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>

CC: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvstel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: Re: Shotspotter

Eric Johnson or Eric Nisbet, can you confirm? You had set aside this time today to confirm final testing. Thanks.

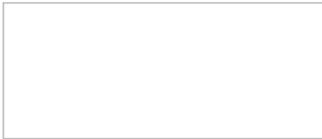
Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)

Boston City Hall, Room 204 | Boston, MA 02201

Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Mon, Apr 6, 2015 at 3:08 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

I'm seeing a successful delivery of the message to Everett server, can you please confirm and let me know if you would like me to move to Revere.

2015/04/06 14:42:50] Trying to send message

Address: 10.20.61.73:1111

Message: \$INCIUPD,31855,37.46404,-122.13775,2,794 Green St,6066715,2109039,2015-04-06 11:12:51*75

Nikhil

From: Nikhil Mehta

Sent: Monday, April 06, 2015 11:05 AM

To: 'Eric W. Nisbet'; Eric Johnson; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 10.20.61.73 every 30 min, please confirm once you receive the packet.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Friday, April 03, 2015 12:03 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett

and then 2:30 or so for Revere?

Eric



Eric Nisbet

1400 Providence Highway, Suite 2000
Norwood, MA 02062
Phone: 781.551.8599
Fax: 781.551.8667
Cell: 781.760.8505



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REDUCE, RECYCLE, REUSE AND RESTORE

This electronic transmission may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, please notify me immediately as use of this information is strictly prohibited.

From: Eric Johnson
Sent: Friday, April 03, 2015 6:08 AM
To: Andrew Murphy
Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Cell: [617-413-2148](tel:617-413-2148)

Phone: [781- 352-2427](tel:781-352-2427)

Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com

www.lan-tel.com

On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



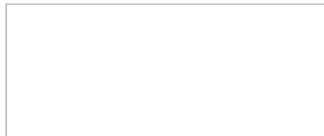
On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)

<image001.png>

Sent from my Galaxy S®III

----- Original message -----

From: Andrew Murphy

Date:03/26/2015 11:53 AM (GMT-05:00)

To: "Eric W. Nisbet"

Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci

Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Thursday, March 12, 2015 3:19 PM

To: Eric W. Nisbet; Andrew Murphy

Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.

I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
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<image001.jpg>

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Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,

FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,

I verified on my end that the packet is now being sent in correct format.

Channel: Socket

[2015/03/09 16:00:45] Trying to send message

Address: [10.20.61.77:1111](https://www.iana.org/assignments/iana-ipv4-special-assignments/iana-ipv4-special-assignments.xhtml#10.20.61.77)

Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - [781-760-8505](tel:781-760-8505)

Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta

Date: 03/09/2015 2:06 PM (GMT-05:00)

To: "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Andrew Murphy

Cc: Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll

Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]

Sent: Monday, March 09, 2015 9:54 AM

To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy

Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll

Subject: RE: Shotspotter

I got the following reply from DVTel that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

```
"$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"
```

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,

Edan Kemelman

Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+1(201)708-9817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

```
10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-  
122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-  
y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>
```

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
Cc: Eric Johnson; 'Fred Goldstein'; 'Colin Strutt'; 'Mike Driscoll'
Subject: RE: Shotspotter

DVTel sent me a listening tool and I received this:

10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>

Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, April 06, 2015 3:34 PM EDT
To: Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>
CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>
Subject: Re: Shotspotter
Attachment(s): "image001.jpg", "image002.jpg"

Eric Nisbet is having email connectivity issues . I just called and he relayed to me it's a good test for Everett .

Respectfully ,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781- 352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

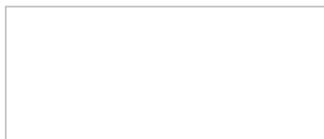
On Apr 6, 2015, at 3:30 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Eric Johnson or Eric Nisbet, can you confirm? You had set aside this time today to confirm final testing. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Mon, Apr 6, 2015 at 3:08 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

I'm seeing a successful delivery of the message to Everett server, can you please confirm and let me know if you would like me to move to Revere.

2015/04/06 14:42:50] Trying to send message

Address: [10.20.61.73:1111](#)

Message: \$INCIUPD,31855,37.46404,-122.13775,2,794 Green St,6066715,2109039,2015-04-06 11:12:51*75

Nikhil

From: Nikhil Mehta
Sent: Monday, April 06, 2015 11:05 AM
To: 'Eric W. Nisbet'; Eric Johnson; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 10.20.61.73 every 30 min, please confirm once you receive the packet.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Friday, April 03, 2015 12:03 PM
To: Eric Johnson; Andrew Murphy
Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric

<image001.jpg>

From: Eric Johnson
Sent: Friday, April 03, 2015 6:08 AM
To: Andrew Murphy
Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: Re: Shotspotter

Andrew

Sorry I thought I replied the other day we will be attempting a test today . I will defer to Eric N for more details .

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

1400 Providence Highway, Suite 2000

Norwood, MA 02062

Cell: [617-413-2148](tel:617-413-2148)

Phone: [781- 352-2427](tel:781-352-2427)

Fax: [781-551-8667](tel:781-551-8667)

ejohnson@lan-tel.com

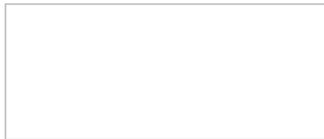
On Apr 1, 2015, at 4:07 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Hi again everyone. Just checking in to see if we're ready to test the final 2 jurisdictions. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



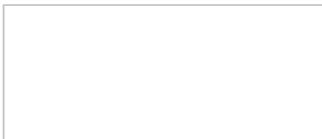
On Thu, Mar 26, 2015 at 12:51 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Not a problem at all Eric. So sorry to hear about that. No rush at all. I just wanted to make sure there weren't any issues. Thanks so much.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 26, 2015 at 12:29 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

Very sorry for that Andrew. It is my fault. I had to drop everything and run down to Florida for a family medical emergency. I am back as of last Saturday and working to get caught up. I got some work done while away, just not enough. I'll be updating soon and we should have the other 2 communities ready to go first thing next week.

Eric

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - [781-760-8505](tel:781-760-8505)

<image001.png>

Sent from my Galaxy S@III

----- Original message -----

From: Andrew Murphy

Date:03/26/2015 11:53 AM (GMT-05:00)

To: "Eric W. Nisbet"

Cc: Nikhil Mehta , Chuck Wade , Christian Lahti , Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci

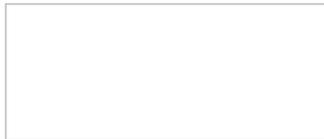
Subject: Re: Shotspotter

Hi everyone. Just checking in on this. It's been 2 weeks since we've seen any progress. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov



On Thu, Mar 12, 2015 at 3:21 PM, Eric W. Nisbet <enisbet@lan-tel.com> wrote:

I'm afraid I still have a bit more work to do for Everett and Revere. I should have those ready to go tomorrow. I will email all as soon as we are ready for a test.

Thanks,

Eric

From: Nikhil Mehta [mailto:nmehta@shotspotter.com]

Sent: Thursday, March 12, 2015 3:19 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Great!

Which one do you want to test next?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 12:18 PM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Confirmed that events were received and the cameras turned. I should have more ready to go tomorrow. I will now set the range in Somerville to 2000 meters.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Thursday, March 12, 2015 3:09 PM
To: Eric W. Nisbet; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine are done and now sending packet to Somerville server.

I can see the packets being delivered successfully, please confirm.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Thursday, March 12, 2015 11:50 AM
To: Nikhil Mehta; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Somerville is ready to go.

I have set the range on Chelsea to 2000 meters so that it will only respond to shots in that range now. I have left Somerville open to infinite for the test. As soon as we verify operation, I'll set that to 2000 meters as well.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Tuesday, March 10, 2015 5:30 PM
To: Andrew Murphy
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Which one should be provisioned next, Everett?

Nikhil

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]
Sent: Tuesday, March 10, 2015 10:29 AM
To: Nikhil Mehta
Cc: Eric W. Nisbet; Chuck Wade; Christian Lahti; Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: Re: Shotspotter

Thanks very much for the quick work on this everyone. I believe Chelsea is tested, so we're just waiting on Everett, Revere, and Somerville.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: [617-635-1400](tel:617-635-1400) | Fax: [617-635-2974](tel:617-635-2974) | andrew.murphy@boston.gov

<image001.jpg>

On Mon, Mar 9, 2015 at 7:51 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

Do you want us to send notifications to other server too?

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:45 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I know. I never reset the distance so it is reacting to the coordinates that are being sent. As far as I know, we are all set to go live. Of course that decision is for others.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 7:43 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thanks Eric.

All,

FYI, Shotspotter Notification is currently being sent from our test system and not from Chelsea production system.

Thanks,
Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 4:36 PM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I have verified that the Chelsea system is receiving the signals and processing them as alarms. The cameras also moved.

Eric

From: Nikhil Mehta [<mailto:nmehta@shotspotter.com>]
Sent: Monday, March 09, 2015 5:09 PM
To: Eric W. Nisbet; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Eric,

I verified on my end that the packet is now being sent in correct format.

Channel: Socket

[2015/03/09 16:00:45] Trying to send message

Address: [10.20.61.77:1111](tel:10.20.61.77:1111)

Message: \$INCIUPD,30285,37.47675,-122.13488,1,,576491.9,4148113,2015-03-09 13:00:38*14

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 11:15 AM
To: Nikhil Mehta; Chuck Wade; Christian Lahti; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

Thank you. As soon as i get back to a computer, i will check.

Eric

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - [781-760-8505](tel:781-760-8505)
<image002.jpg>

Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta
Date: 03/09/2015 2:06 PM (GMT-05:00)
To: "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Andrew Murphy
Cc: Eric Johnson , Fred Goldstein , Colin Strutt , Mike Driscoll
Subject: RE: Shotspotter

Hi Eric,

I've corrected the XML format and you should now see the packet in correct format as mentioned below.

Thanks,

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 9:54 AM
To: Chuck Wade; Christian Lahti; Nikhil Mehta; Andrew Murphy
Cc: Eric Johnson; Fred Goldstein; Colin Strutt; Mike Driscoll
Subject: RE: Shotspotter

I got the following reply from DVTEL that indicates that the message is in the wrong format. Can this be changed?

Eric

Hi Eric,

If this is the format of the message you see in a standalone TCP server tester, the message appears to be wrapped in XML tags that we do not expect.

The following is an example message format we should be getting from a supported ShotSpotter for INCIUPD packets we support:

"\$INCIUPD,7236,37.45239,-122.12828,2,1982 Bayshore,0,0,2012-12-28 15:40:16*16"

Have we verified that the ShotSpotter Notification Engine has been configured to send messages via "Socket" Channel (as appears on pg. 7 of the integration manual)?

Thanks,

Edan Kemelman

Principal Software Engineer

Applications and Integration Center (AIC) | DVTEL, INC.
Tel: [+1 \(201\) 708-9817](tel:+12017089817)

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Monday, March 09, 2015 12:12 PM
To: Keith Cottrell
Cc: Mike Driscoll; DVTEL AIC; DVTEL Support
Subject: RE: Shotspotter at Chelsea - Case 60423

Just got this on the Server

```
10.254.66.230/19125: <INCIUPD><id>30275</id><latitude>37.47252</latitude><longitude>-122.13742</longitude><type>2</type><address></address><location-x>576277.6</location-x><location-y>4147646</location-y><time>2015-03-09 09:00:35</time></INCIUPD>
```

Connection status changed to True

I'm assuming this is good news.

Eric

From: Eric W. Nisbet
Sent: Monday, March 09, 2015 12:16 PM
To: 'Chuck Wade'; 'Christian Lahti'; 'Nikhil Mehta'; 'Andrew Murphy'
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Connection status changed to True

I'm figuring this is what I was supposed to be getting. I will keep working with DVTel to see what is going on.

Eric

From: Eric W. Nisbet <enisbet@lan-tel.com>

Sent: Monday, April 06, 2015 3:36 PM EDT

To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

Thanks Eric. Sorry. Bad signal.

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S@III

----- Original message -----

From: Eric Johnson

Date: 04/06/2015 3:34 PM (GMT-05:00)

To: Andrew Murphy

Cc: Nikhil Mehta, "Eric W. Nisbet", Chuck Wade, Christian Lahti, Fred Goldstein, Colin Strutt, Mike Driscoll, John Bartolomucci

Subject: Re: Shotspotter

Eric Nisbet is having email connectivity issues. I just called and he relayed to me it's a good test for Everett.

Respectfully,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
[Norwood, MA 02062](#)
Cell: [617-413-2148](#)
Phone: [781-352-2427](#)
Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

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Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Mon, Apr 6, 2015 at 3:08 PM, Nikhil Mehta<nmehta@shotspotter.com> wrote:

I'm seeing a successful delivery of the message to Everett server, can you please confirm and let me know if you would like me to move to Revere.

2015/04/06 14:42:50] Trying to send message

Address: [10.20.61.73:1111](https://www.10.20.61.73:1111)

Message: \$INCIUPD,31855,37.46404,-122.13775,2,794 Green St,6066715,2109039,2015-04-06 11:12:51*75

Nikhil

From: Nikhil Mehta
Sent: Monday, April 06, 2015 11:05 AM
To: 'Eric W. Nisbet'; Eric Johnson; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 10.20.61.73 every 30 min, please confirm once you receive the packet.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Friday, April 03, 2015 12:03 PM
To: Eric Johnson; Andrew Murphy
Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric

<image001.jpg>

From: Eric Johnson
Sent: Friday, April 03, 2015 6:08 AM
To: Andrew Murphy
Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll

From: Nikhil Mehta <nmehta@shotspotter.com>

Sent: Monday, April 06, 2015 3:39 PM EDT

To: Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mrdiscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

Thanks for the confirmation. Shall I change to Revere?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, April 06, 2015 12:36 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Thanks Eric. Sorry. Bad signal.

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy SIII

----- Original message -----

From: Eric Johnson

Date: 04/06/2015 3:34 PM (GMT-05:00)

To: Andrew Murphy

Cc: Nikhil Mehta, "Eric W. Nisbet", Chuck Wade, Christian Lahti, Fred Goldstein, Colin Strutt, Mike Driscoll, John Bartolomucci

Subject: Re: Shotspotter

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Respectfully,

Eric Johnson
Project Manager
Lan-Tel Communications
[1400 Providence Highway, Suite 2000](#)
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Fax: [781-551-8667](#)

ejohnson@lan-tel.com
www.lan-tel.com

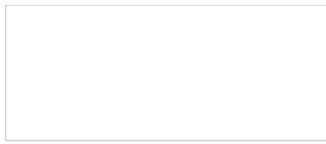
On Apr 6, 2015, at 3:30 PM, Andrew Murphy <andrew.murphy@boston.gov> wrote:

Eric Johnson or Eric Nisbet, can you confirm? You had set aside this time today to confirm final testing. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



On Mon, Apr 6, 2015 at 3:08 PM, Nikhil Mehta <nmehta@shotspotter.com> wrote:

I'm seeing a successful delivery of the message to Everett server, can you please confirm and let me know if you would like me to move to Revere.

2015/04/06 14:42:50] Trying to send message

Address: [10.20.61.73:1111](https://www.10.20.61.73:1111)

Message: \$INCIUPD,31855,37.46404,-122.13775,2,794 Green St,6066715,2109039,2015-04-06 11:12:51*75

Nikhil

From: Nikhil Mehta
Sent: Monday, April 06, 2015 11:05 AM
To: 'Eric W. Nisbet'; Eric Johnson; Andrew Murphy
Cc: Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

Shotspotter Notification Engine now provisioned to send packets to Everett, MA server at 10.20.61.73 every 30 min, please confirm once your receive the packet.

Nikhil

From: Eric W. Nisbet [<mailto:enisbet@lan-tel.com>]
Sent: Friday, April 03, 2015 12:03 PM
To: Eric Johnson; Andrew Murphy
Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci
Subject: RE: Shotspotter

My sincerest apologies for missing today's test date. My service work kept me away from the programming that I needed to do. I can catch up over the weekend and be ready to test both towns on Monday. Nikhil, how does 2:00 PM eastern sound for Everett and then 2:30 or so for Revere?

Eric
<image001.jpg>

From: Eric Johnson
Sent: Friday, April 03, 2015 6:08 AM
To: Andrew Murphy
Cc: Eric W. Nisbet; Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll

From: Michael Kiely <mkiely@police.somerville.ma.us>

Sent: Monday, April 06, 2015 3:49 PM EDT

To: Thomas Graney <Thomas Graney <TGraney@somervillema.gov>>

CC: <mporter@lan-tel.com> <mporter@lan-tel.com>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; James Stanford <James Stanford <jstanford@police.somerville.ma.us>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

Subject: Re: UASI FY15 Critical Infrastructure Abstracts

Hi Tom, I added few to this email for clarification. Captain Stanford, myself, Mike Driscoll from Dv Tel and Eric Johnson from Lan- Tel had been working on this since before XMAS. We walked the property and have a master plan for target hardening and enhancements at AR, the Mystic River and RT 28.

I received a quote from Lan- Tel about 2 months ago to add 5 cameras @ AR. I also submitted the Abstract to Andrew Murphy on behalf of Captain Stanford as this is his subcommittee and he had a planed vacation.

The quote is in the office and is about 35-37 K. I can't recall exactly. I hope this clear this issue up!

Sergeant Michael Kiely
Office of The Chief
Homeland Security & Emergency Management
(617) 625-1600x7241

On Apr 6, 2015, at 2:56 PM, Thomas Graney <TGraney@somervillema.gov> wrote:

Mr. Porter,

Please note AR Target Hardening proposal, we need the cost of the 5 DVTelPTZ CP zoom cameras for the Somerville grant submission.

DHS Coordinator tgraney@ci.somerville.ma.us

From: Andrew Murphy [<mailto:andrew.murphy@boston.gov>]

Sent: Thursday, April 02, 2015 4:15 PM

To: Gerry Reardon; Harry Cataldo; James Guido; James Stanford; Michael Kiely; Pam Monziona; Patrick Johnston; Scott Wilder; Shawn Romanoski; Steven Ahern; Terence Delehanty; Thomas Graney

Subject: UASI FY15 Critical Infrastructure Abstracts

Good afternoon Critical Infrastructure (CI) Subcommittee. Attached are the abstracts that were submitted under the CI investment area. I want to make sure everyone has a chance to review these before our prioritization meeting at Cambridge PD a week from today (10am-12pm).

If you don't see an abstract on this list that was submitted under CI it was likely moved to a more appropriate investment area (NIMS, CBRNE). Many of the columns have been hidden as they contain superfluous information but if you are so inclined you can unhide them for more info.

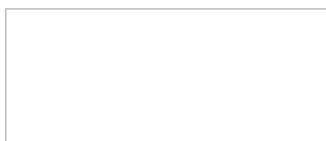
During the prioritization meeting we will assess the submissions, decide upon adequate funding, and rank them in order 1,2,3,4,5 and so on, 1 being the most important. Any row that has an "A" in the priority column is deemed critical and will be fully funded (or close to it). Some individual jurisdictions put in for cameras which would already be covered under CIMS or Target Hardening so that specific dollar values were removed.

If you have any questions please let me know otherwise I'll see everyone next week at 10am in Cambridge. Thanks.

Andrew

Andrew Murphy
Regional Planner

Office of Emergency Management (OEM)
Boston City Hall, Room 204 | Boston, MA 02201
Phone: 617-635-1400 | Fax: 617-635-2974 | andrew.murphy@boston.gov



<UASI FY 15 Abstract Submissions Crit Inf.xlsx>

From: Eric W. Nisbet <enisbet@lan-tel.com>

Sent: Monday, April 06, 2015 4:14 PM EDT

To: Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Andrew Murphy <Andrew Murphy <andrew.murphy@boston.gov>>

CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Christian Lahti <Christian Lahti <clahti@shotspotter.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Mike Driscoll <Mike Driscoll <mdriscoll@dvitel.com>>; John Bartolomucci <John Bartolomucci <jbarts@lan-tel.com>>

Subject: RE: Shotspotter

Yes please

Eric W. Nisbet
Senior Technician
Lan-Tel Communications, Inc.
Cell - 781-760-8505



Sent from my Galaxy S@III

----- Original message -----

From: Nikhil Mehta

Date: 04/06/2015 3:39 PM (GMT-05:00)

To: "Eric W. Nisbet", Eric Johnson, Andrew Murphy

Cc: Chuck Wade, Christian Lahti, Fred Goldstein, Colin Strutt, Mike Driscoll, John Bartolomucci

Subject: RE: Shotspotter

Thanks for the confirmation. Shall I change to Revere?

Nikhil

From: Eric W. Nisbet [mailto:enisbet@lan-tel.com]

Sent: Monday, April 06, 2015 12:36 PM

To: Eric Johnson; Andrew Murphy

Cc: Nikhil Mehta; Chuck Wade; Christian Lahti; Fred Goldstein; Colin Strutt; Mike Driscoll; John Bartolomucci

Subject: RE: Shotspotter

Thanks Eric. Sorry. Bad signal.

Eric W. Nisbet

Senior Technician

Lan-Tel Communications, Inc.

Cell - 781-760-8505



Sent from my Galaxy S@III

----- Original message -----

From: Eric Johnson

Date:04/06/2015 3:34 PM (GMT-05:00)

To: Andrew Murphy

Cc: Nikhil Mehta , "Eric W. Nisbet" , Chuck Wade , Christian Lahti , Fred Goldstein , Colin Strutt , Mike Driscoll , John Bartolomucci

Subject: Re: Shotspotter

Eric Nisbet is having email connectivity issues . I just called and he relayed to me it's a good test for Everett .

Respectfully ,

Eric Johnson

Project Manager

Lan-Tel Communications

[1400 Providence Highway, Suite 2000](#)

[Norwood, MA 02062](#)

Cell: [617-413-2148](#)

Phone: [781- 352-2427](#)

Fax: [781-551-8667](#)

ejohnson@lan-tel.com

www.lan-tel.com

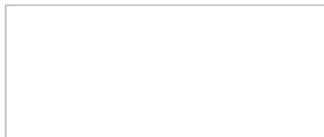
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