From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, September 20, 2018 5:28 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: Invoice request for PO 690473

Sarah
I will take care of .

Thanks
Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
T (781) 551-8599 **M 617-781-8254**
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Sep 20, 2018, at 5:24 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Can you reach out to your finance folks and have them send me a copy of the invoice that goes along with PO 690473? I've attached it for your reference.

Thanks so much,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

<PO 690473 BFD cameras.pdf>

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 10:29 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Whidden HVAC quote update details
Attachment(s): "Everett Whidden AC revised (2).pdf"

Hi Eric,

Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:

- Update the date to be current
- Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.
- Update section header on page 2 to read "New air conditioning unit equipment" since the labor portion will also roll into PSnet contract.
- Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
- Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
- Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.

Thank you so much!
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 11:52 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: Invoice request for PO 690473

Thanks, Eric. So actually someone forwarded me a copy of invoice 9918021 that corresponds to that PO (690473) *but* unfortunately the invoice does not match the PO. The PO has 6 lines, 5 for equipment pieces and the last for labor. The invoice needs to be broken out in the same manner otherwise the payment will not go through.

If you could get that turned around ASAP I would appreciate it since this PO was dated back in May and I would like to take care of it this week.

Thanks!
Sarah

On Thu, Sep 20, 2018 at 5:28 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> I will take care of .
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> Thanks
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> Eric Johnson
> **Project Manager**
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<PO 690473 BFD cameras.pdf>

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, September 25, 2018 12:12 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Jarrod Fullerton <Jarrod Fullerton <jfullerton@genetec.com>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting Updates - COB PLZ PLAN TO ATTEND
Attachment(s): "Security Camera Strategy Meeting_9-26-18.docx"

City of Boston agencies - this is a cross-agency, camera sharing strategy meeting to continue growing the City's initiative to share video and data across agencies,real-time. Your presence, either in person or via conference bridge is needed to represent your projects and be in-the-know of your sister-agency projects. Please plan to attend tomorrow's meeting...same time and same bridge.

Thanks,
Linda

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Jeff Bodio <jeffb@lan-tel.com>
Sent: Tuesday, September 25, 2018 2:12 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: Invoice request for PO 690473
Attachment(s): "9918021-COBOSAU-9-10-2018-6.pdf"

Hi Sarah
Please see the attached

Thank you

Jeff

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 11:53 AM
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Jeff Bodio <jeffb@lan-tel.com>
Subject: Re: Invoice request for PO 690473

Thanks, Eric. So actually someone forwarded me a copy of invoice 9918021 that corresponds to that PO (690473)*but* unfortunately the invoice does not match the PO. The PO has 6 lines, 5 for equipment pieces and the last for labor. The invoice needs to be broken out in the same manner otherwise the payment will not go through.

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Thanks!
Sarah

On Thu, Sep 20, 2018 at 5:28 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> I will take care of .
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> Thanks
> Eric
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> Respectfully,
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> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **T (**781) 551-8599 **M 617-781-8254**
> **| www.lan-tel.com. I** Twitter
> ejohnson@lan-tel.com ☘
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> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

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> Sarah
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> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
> Fax: 617.635.2974
>
> <PO 690473 BFD cameras.pdf>

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Sarah Plowman
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 3:09 PM EDT
To: Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Invoice request for PO 690473

Thanks so much, Jeff! This will be submitted for payment soon.

On Tue, Sep 25, 2018 at 2:12 PM Jeff Bodio <jeffb@lan-tel.com> wrote:

> Hi Sarah
>
> Please see the attached
>
> Thank you
>
> Jeff

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 11:53 AM
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Jeff Bodio <jeffb@lan-tel.com>
Subject: Re: Invoice request for PO 690473

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Thanks!

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Project Manager

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ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Sep 20, 2018, at 5:24 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Sarah Plowman

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<PO 690473 BFD cameras.pdf>

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Sarah Plowman

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: John Gillis <john.r.gillis@boston.gov>
Sent: Wednesday, September 26, 2018 8:43 AM EDT
To: Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>
CC: McDavitt, Conor; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; Reidy, Richard; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Ramasamy, Krishnamoorthi; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Vasconcelos, Nelson; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Beers, Jeff; Gilchrist, Robert; William Joyce <William Joyce <william.joyce@boston.gov>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Henry, Brian; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Jarrod Fullerton <Jarrod Fullerton <jfullerton@genetec.com>>; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>
Subject: Re: Security Camera Strategy Meeting Updates - COB PLZ PLAN TO ATTEND

See you there!

John Gillis
Security Operations Manager
Cell: 617-821-4501
Office: 617-635-0187

On Sep 25, 2018 12:12 PM, "Linda Calnan" <linda.calnan@boston.gov> wrote:

> City of Boston agencies - this is a cross-agency, camera sharing strategy meeting to continue growing the City's initiative to share video and data across agencies,real-time. Your presence, either in person or via conference bridge is needed to represent your projects and be in-the-know of your sister-agency projects. Please plan to attend tomorrow's meeting...same time and same bridge.
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> Thanks,
> Linda
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> **Linda Calnan**
> **Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston**
>
> 1 City Hall Square, Room 109
> Boston, MA 02201
> D: 617-635-2875
> C: 781-738-2020
> linda.calnan@boston.gov

From: Joe <jpepjonovich@quincyma.gov>
Sent: Wednesday, September 26, 2018 1:45 PM EDT
To: Sarah Plowman < 'Sarah Plowman' <sarah.plowman@boston.gov>>
CC: Eric Johnson < 'Eric Johnson' <ejohnson@lan-tel.com>>; <RGILLAN@quincyma.gov> <RGILLAN@quincyma.gov>
Subject: RE: Identifying Quincy camera PO - work done?

Sarah,

The cameras are installed at the following locations:

Neponset Bridge

Pagnano Towers

Squantum Point Park

Thanks,

Joe

From: Sarah Plowman [mailto:sarah.plowman@boston.gov]
Sent: Tuesday, September 18, 2018 1:45 PM
To: Joe Pepjonovich
Cc: Eric Johnson
Subject: Identifying Quincy camera PO - work done?

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I have no record of this work ever being done. Can you please verify that the cameras were indeed installed (and when and where)? The PO is dated June 9, ***2017*** so it is a year outstanding at this point. I want to get it paid and squared away as soon as possible.

Both PO and original quote are attached for your reference.

Thank you,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall , Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, September 26, 2018 1:55 PM EDT
To: Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Bob Gillan <Bob Gillan <RGILLAN@quincyma.gov>>
Subject: Re: Identifying Quincy camera PO - work done?

Thank you!! Joe, they are in working order and this is then okay to pay?

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Sarah Plowman
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One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
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From: Joe <jpepjonovich@quincyma.gov>
Sent: Wednesday, September 26, 2018 2:03 PM EDT
To: Sarah Plowman < 'Sarah Plowman' <sarah.plowman@boston.gov>>
CC: Eric Johnson < 'Eric Johnson' <ejohnson@lan-tel.com>>; Bob Gillan < 'Bob Gillan' <RGILLAN@quincyma.gov>>
Subject: RE: Identifying Quincy camera PO - work done?

Sarah,

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Joe

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Sent: Wednesday, September 26, 2018 1:55 PM
To: Joe Pepjonovich
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Sarah Plowman
Regional Planner

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Boston City Hall , Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, September 28, 2018 1:58 PM EDT
To: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Stephen Maywalt <Stephen Maywalt <SMaywalt@CambridgePolice.org>>; David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>
CC: Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: Update on status of PSnet VMware upgrades and licensing
Attachment(s): "smime.p7s"

Sarah, et al.,

We have successfully upgraded the PSnet hosting centers to VMware vSphere 6.5U1 (standard) and vCenter 6.5U1 (standard). Because VMware had already granted us an upgrade option to version 6.x, this has not resulted in any new expenses, and we only need to acquire annual support contracts to stay current with VMware releases. All hosts have been assigned the new 6.x licenses, along with vCenter. All patches have also been applied to the new software, and HPE extensions have been added to the ESX hosts.

Sarah and I were able to resolve multiple issues with the way that VMware had recorded our contract and license info. The license keys are now being managed by a new "My VMware" account that is visibly assigned to "Boston Office of Emergency Management." While these were mostly in the category of "bureaucratic annoyances," there were sticky issues with the way that the licenses had been assigned that had already caused problems when VMware initiated a self-audit of our license compliance back in May. It is nice to have these annoyances behind us. I also coupled the vCenter license management facilities to the My VMware account, so that it should be easier to manage this stuff in the future.

As a precursor to the VMware upgrades, we also updated critical firmware in the HPE Blade Systems and for each server. This should allow us to better integrate hardware system monitoring and management with the VMware tools. We also cleared out a lot of cobwebs that had accumulated over the past couple of years with no active maintenance.

While we have achieved a significant milestone, there are still multiple tasks we need to pursue:

- Upgrade VMware Tools on all the VMs
- Install any additional HPE software support tools that should be integrated with vSphere
- Deal with any of the Spectre/Meltdown Intel CPU firmware issues that have not been resolved
- Refine configurations to take advantage of new VMware 6.x features
- Set up new VMFS 6 datastores on the 3PAR systems using RAID 6 virtual volumes
  Migrate all VMs and other files to new datastores and decommission existing datastores
- Upgrade vCenter to 6.7 (which does support 6.5U1 ESX hosts)
- Explore feasibility of upgrading ESX on the HPE blade servers to 6.7
  (Aside, we have stayed with 6.5U1 instead of 6.5U2, since there is currently no upgrade path from 6.5U2 to 6.7)

Let me know if you have any questions...
...Chuck

--

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

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, September 28, 2018 2:04 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Stephen Maywalt <Stephen Maywalt <SMaywalt@cambridgepolice.org>>; David Mahoney <David Mahoney <DAMahoney@cambridgefire.org>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Update on status of PSnet VMware upgrades and licensing

Woo! All sounds good. Let's keep it going! :) Thanks, Chuck & Colin.

On Fri, Sep 28, 2018 at 1:58 PM Chuck Wade <Chuck@interisle.net> wrote:

> Sarah, et al.,
>
> We have successfully upgraded the PSnet hosting centers to VMware vSphere 6.5U1 (standard) and vCenter 6.5U1 (standard). Because VMware had already granted us an upgrade option to version 6.x, this has not resulted in any new expenses, and we only need to acquire annual support contracts to stay current with VMware releases. All hosts have been assigned the new 6.x licenses, along with vCenter. All patches have also been applied to the new software, and HPE extensions have been added to the ESX hosts.
>
> Sarah and I were able to resolve multiple issues with the way that VMware had recorded our contract and license info. The license keys are now being managed by a new "My VMware" account that is visibly assigned to "Boston Office of Emergency Management." While these were mostly in the category of "bureaucratic annoyances," there were sticky issues with the way that the licenses had been assigned that had already caused problems when VMware initiated a self-audit of our license compliance back in May. It is nice to have these annoyances behind us. I also coupled the vCenter license management facilities to the My VMware account, so that it should be easier to manage this stuff in the future.
>
> As a precursor to the VMware upgrades, we also updated critical firmware in the HPE Blade Systems and for each server. This should allow us to better integrate hardware system monitoring and management with the VMware tools. We also cleared out a lot of cobwebs that had accumulated over the past couple of years with no active maintenance.
>
> While we have achieved a significant milestone, there are still multiple tasks we need to pursue:
>
> - Upgrade VMware Tools on all the VMs
> - Install any additional HPE software support tools that should be integrated with vSphere
> - Deal with any of the Spectre/Meltdown Intel CPU firmware issues that have not been resolved
> - Refine configurations to take advantage of new VMware 6.x features
> - Set up new VMFS 6 datastores on the 3PAR systems using RAID 6 virtual volumes
>   Migrate all VMs and other files to new datastores and decommission existing datastores
> - Upgrade vCenter to 6.7 (which does support 6.5U1 ESX hosts)
> - Explore feasibility of upgrading ESX on the HPE blade servers to 6.7
>   (Aside, we have stayed with 6.5U1 instead of 6.5U2, since there is currently no upgrade path from 6.5U2 to 6.7)
>
> Let me know if you have any questions...
> ...Chuck
>
> --
>
> Chuck Wade, Principal
> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Mary Milligan <mmilligan@lan-tel.com>
Sent: Wednesday, October 03, 2018 10:00 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
Subject: September CIMS Billing
Attachment(s): "9918118-DOINNOV-10-03-2018-2.PDF","CIMS Sept Back Up Final .xls","image001.jpg"

Good Day,
Please see attached invoice (9918118) and back up for CIMS work completed in September 2018.
Feel free to reach out to me for any additional information.
Thanks
Mare

Mary Milligan (Mare)
Accounting Specialist
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-352-4717
Mmilligan@lan-tel.com www.lan-tel.com
FOLLOW US: Twitter | LinkedIn | Facebook

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From: Dennis Drain <ddrain@lan-tel.com>
Sent: Thursday, October 04, 2018 7:43 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Mary Milligan <Mary Milligan <mmilligan@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: PSNET Back up with dates and Sonet invoice Dated 09/22/2018
Attachment(s): "Copy of PSNET Back Up September 9th Updated_.xls","9918120-COBOSAU-10-04-2018-2.PDF","image001.jpg"

Sarah

I have attached a copy of our invoice for September 22, 2018, along with the backup.

Thank you.

Dennis Drain
Controller
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com

From: Mary Milligan
Sent: Tuesday, October 02, 2018 11:06 AM
To: Dennis Drain <ddrain@lan-tel.com>
Subject: PSNET Back up with dates and Sonet invoice

Mary Milligan (Mare)
Accounting Specialist
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-352-4717
Mmilligan@lan-tel.com www.lan-tel.com
FOLLOW US: Twitter | LinkedIn | Facebook

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, October 05, 2018 9:35 AM EDT
To: Mary Milligan <Mary Milligan <mmilligan@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
Subject: Re: September CIMS Billing
Attachment(s): "image003.jpg","image003.jpg"

Hi Mary,

Can you please update your master file to remove the February tab? Often times when you send over the monthly backup it leaves in that old tab; I don't know why.

Thank you,
Sarah

On Wed, Oct 3, 2018 at 10:00 AM Mary Milligan <mmilligan@lan-tel.com> wrote:

> Good Day,
>
> Please see attached invoice (9918118) and back up for CIMS work completed in September 2018.
>
> Feel free to reach out to me for any additional information.
>
> Thanks
>
> Mare
>
> Mary Milligan (Mare)
>
> **Accounting Specialist**
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
>
> **T 781-352-4717**
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> Mmilligan@lan-tel.com www.lan-tel.com
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, October 05, 2018 10:22 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: Whidden HVAC quote update details

Hi Eric,

Just reminding you about this email. Could you provide an updated quote next week?

Thanks,
Sarah

On Tue, Sep 25, 2018 at 10:29 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Hi Eric,
>
> Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:
>
> - Update the date to be current
> - Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.
> - Update section header on page 2 to read "New air conditioning unit equipment" since the labor portion will also roll into PSnet contract.
> - Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
> - Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
> - Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.
>
> Thank you so much!
> Sarah
>
> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
> Fax: 617.635.2974

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, October 05, 2018 4:05 PM EDT
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Mary Milligan <Mary Milligan <mmilligan@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: PSNET Back up with dates and Sonet invoice Dated 09/22/2018
Attachment(s): "image002.jpg","image004.jpg","image004.jpg","image002.jpg"

Thanks, this has been submitted for payment.

On Thu, Oct 4, 2018 at 7:43 AM Dennis Drain <ddrain@lan-tel.com> wrote:

> Sarah
>
> I have attached a copy of our invoice for September 22, 2018, along with the backup.
>
> Thank you.
>
> Dennis Drain
> Controller
> 1400 Providence Highway
> Norwood, MA 02062
> Phone 781-680-5906
> Fax: 781-551-8667
> ddrain@lan-tel.com

From: Mary Milligan
Sent: Tuesday, October 02, 2018 11:06 AM
To: Dennis Drain <ddrain@lan-tel.com>
Subject: PSNET Back up with dates and Sonet invoice

Mary Milligan (Mare)
Accounting Specialist
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
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Mmilligan@lan-tel.com www.lan-tel.com
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, October 09, 2018 1:50 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Jarrod Fullerton <Jarrod Fullerton <jfullerton@genetec.com>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Team Meeting
Attachment(s): "Security Camera Strategy Meeting_10-10-18.docx"

Attached is the status report for our Security Camera Strategy & Sharing team meeting. Please plan to attend. Thank you.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, October 10, 2018 3:14 PM EDT
To: Mary Milligan <Mary Milligan <mmilligan@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
Subject: Re: September CIMS Billing
Attachment(s): "image003.jpg","image003.jpg"

This has been submitted for payment. Thank you!

On Wed, Oct 3, 2018 at 10:00 AM Mary Milligan <mmilligan@lan-tel.com> wrote:

> Good Day,
>
> Please see attached invoice (9918118) and back up for CIMS work completed in September 2018.
>
> Feel free to reach out to me for any additional information.
>
> Thanks
>
> Mare
>
> Mary Milligan (Mare)
>
> **Accounting Specialist**
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Jeff Bodio <jeffb@lan-tel.com>
Sent: Wednesday, October 10, 2018 5:40 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Mary Milligan <Mary Milligan <mmilligan@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
Subject: RE: September CIMS Billing

Thank you

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, October 10, 2018 3:14 PM
To: Mary Milligan <mmilligan@lan-tel.com>
Cc: Eric Johnson <ejohnson@lan-tel.com>; Kate Waldron <kwaldron@lan-tel.com>; Jeff Bodio <jeffb@lan-tel.com>; Dennis Drain <ddrain@lan-tel.com>
Subject: Re: September CIMS Billing

This has been submitted for payment. Thank you!

On Wed, Oct 3, 2018 at 10:00 AM Mary Milligan <mmilligan@lan-tel.com> wrote:

> Good Day,
> Please see attached invoice (9918118) and back up for CIMS work completed in September 2018.
> Feel free to reach out to me for any additional information.
> Thanks
> Mare
>
> Mary Milligan (Mare)
> **Accounting Specialist**
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
> **T 781-352-4717**
> Mmilligan@lan-tel.com www.lan-tel.com
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, October 11, 2018 4:22 AM EDT
To: sarah.plowman@boston.gov
Subject: Whidden

Sarah
Sorry I am working on whidden and will have for you . Sorry for delay

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, October 12, 2018 12:32 PM EDT
To: Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Matthew Desmond <Matthew Desmond <MDesmond@somervillema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: Somerville Link to Cambridge CH

The Somerville PD link to Camb CH is in and out of connectivity . I have talked with Chuck and we are dispatching to Somerville PD to triage. Chuck has shut down for now and has all traffic coming through JFK to stabilize .

More details to follow

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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From: Scott Wilder <swilder@brooklinema.gov>
Sent: Friday, October 12, 2018 12:38 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Matthew Desmond <Matthew Desmond <MDesmond@somervillema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; sarah.plowman@boston.gov; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: RE: Somerville Link to Cambridge CH

Ok, thanks for the update.
Good luck with troubleshooting.
Scott

From: Eric Johnson [mailto:ejohnson@Lan-Tel.com]
Sent: Friday, October 12, 2018 12:33 PM
To: Michael Kiely <mkiely@police.somerville.ma.us>; Matthew Desmond <MDesmond@somervillema.gov>
Cc: Chuck Wade <Chuck@Interisle.net>; Jim Rex <jrex@lan-tel.com>; sarah.plowman@boston.gov; Scott Wilder <swilder@brooklinema.gov>; Greg Washburn <gwashburn@lan-tel.com>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: Somerville Link to Cambridge CH

The Somerville PD link to Camb CH is in and out of connectivity . I have talked with Chuck and we are dispatching to Somerville PD to triage. Chuck has shut down for now and has all traffic coming through JFK to stabilize .

More details to follow

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. l Twitter
ejohnson@lan-tel.com ☘

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From: Matthew Desmond <MDesmond@somervillema.gov>
Sent: Friday, October 12, 2018 1:00 PM EDT
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; sarah.plowman@boston.gov; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: RE: Somerville Link to Cambridge CH

Thanks for the update…I am seeing a steady ping on my end as well.

Thanks
Matt

Matthew Desmond
Senior IT Specialist
Somerville Police
mdesmond@police.somerville.ma.us
617·625·6600 Ext. 7209
www.somervillepd.com

From: Scott Wilder [mailto:swilder@brooklinema.gov]
Sent: Friday, October 12, 2018 12:39 PM
To: Eric Johnson <ejohnson@Lan-Tel.com>; Michael Kiely <mkiely@police.somerville.ma.us>; Matthew Desmond <MDesmond@somervillema.gov>
Cc: Chuck Wade <Chuck@Interisle.net>; Jim Rex <jrex@lan-tel.com>; sarah.plowman@boston.gov; Greg Washburn <gwashburn@lan-tel.com>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: RE: Somerville Link to Cambridge CH

Ok, thanks for the update.
Good luck with troubleshooting.
Scott

From: Eric Johnson [mailto:ejohnson@Lan-Tel.com]
Sent: Friday, October 12, 2018 12:33 PM
To: Michael Kiely <mkiely@police.somerville.ma.us>; Matthew Desmond <MDesmond@somervillema.gov>
Cc: Chuck Wade <Chuck@Interisle.net>; Jim Rex <jrex@lan-tel.com>; sarah.plowman@boston.gov; Scott Wilder <swilder@brooklinema.gov>; Greg Washburn <gwashburn@lan-tel.com>; GTurner@Skywave.org; Ellison1@Skywave.org
Subject: Somerville Link to Cambridge CH

The Somerville PD link to Camb CH is in and out of connectivity . I have talked with Chuck and we are dispatching to Somerville PD to triage. Chuck has shut down for now and has all traffic coming through JFK to stabilize .

More details to follow

Respectfully,

Eric Johnson
Project Manager
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From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, October 12, 2018 2:14 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Matthew Desmond <Matthew Desmond <MDesmond@somervillema.gov>>
CC: Jim Rex <Jim Rex <jrex@lan-tel.com>>; sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; GTurner@Skywave.org; Ellison1@Skywave.org; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: Somerville Link to Cambridge CH
Attachment(s): "smime.p7s"

Eric, et al.,

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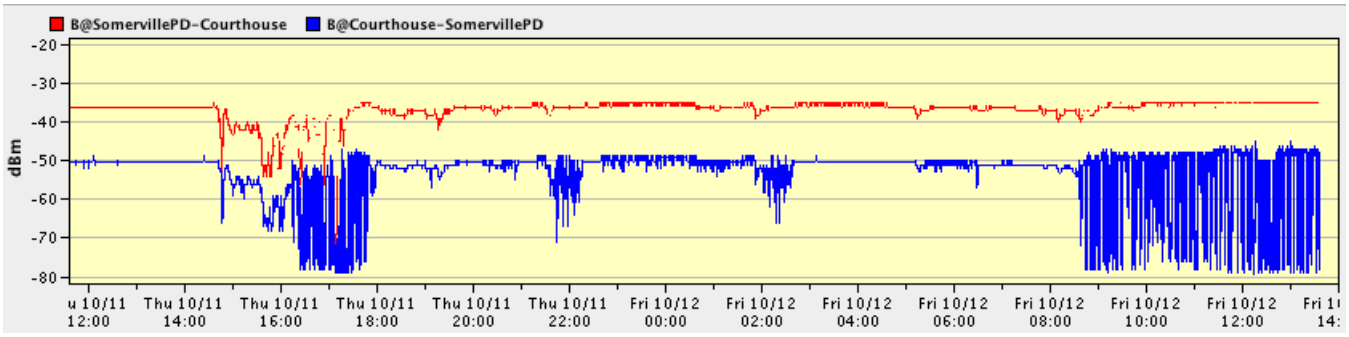

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On 10/12/18 12:32 PM, Eric Johnson wrote:

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Respectfully,

Eric Johnson
Project Manager
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, October 12, 2018 3:47 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
CC: Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Matthew Desmond <Matthew Desmond <MDesmond@somervillema.gov>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; GTurner@Skywave.org; Ellison1@Skywave.org; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: Somerville Link to Cambridge CH
Attachment(s): "lpnibbndfkgcdcbp.png"

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, October 15, 2018 9:54 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Chuck Wade <Chuck Wade <chuck@interisle.net>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: Somerville Link to Cambridge CH

Hi Eric & Chuck,

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Sarah Plowman
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Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, October 15, 2018 9:58 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Chuck Wade <Chuck Wade <chuck@interisle.net>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: Somerville Link to Cambridge CH

I believe chuck might have contacted Dave

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Sent: Monday, October 15, 2018 10:49 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: Somerville Link to Cambridge CH
Attachment(s): "smime.p7s"

Sarah,

I have been working with both Dave Mahoney and Gerry Reardon on bringing the Millers River (15 Lambert) site on line. They understand that, in addition to City of Cambridge radios at this site, that it is also necessary to bringing the new MNI microwave link to Somerville PD online.

At this point, the immediate issue we need to deal with is getting cabling run from the Somerville PD first floor server room where the PSnet switches are located to the basement radio room where the MNI IDU equipment is located. LAN-TEL is working this issue with support from Skywave.

I will be in Cambridge tomorrow, and will work on further refinement of the network connectivity to the MNI IDU at Millers River.

Note, I am also working with Cambridge on bringing the Avalon North Point (1 Leighton) site online. The pending issue is lighting the City fiber to the Avalon site and deploying the PSnet switches for that site. Once the Avalon site is online, we will then be able to bring up the MNI microwave link to Whidden Hospital. The Whidden end of this link is already connected to the PSnet switches there.

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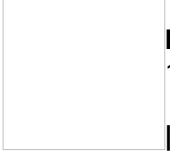
>>> 
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Sent: Tuesday, October 16, 2018 9:31 AM EDT
To: Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Christopher Ward <Christopher Ward <cward@police.somerville.ma.us>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; John Surette <John Surette <john.surette@pd.boston.gov>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Martin Mulkerrin <Martin Mulkerrin <martin.mulkerrin@boston.gov>>
Subject: Reminder! PSnet meeting tomorrow, 2pm, BPD @ A-15 (Charlestown)
Attachment(s): "6.14.18 PSNEC mtg minutes DRAFT.doc","9.6.18 PSNEC mtg minutes DRAFT.doc"

Hi PSnet folks,

Just a reminder that *tomorrow afternoon, Wednesday, at 2pm* (note the start time) we have a PSnet Executive Committee meeting. Thanks to Shawn & BPD for hosting us over in Charlestown. I've attached the meeting minutes for your review -- there are two sets, one from June, and one from September. Agenda for the meeting is as follows:

- Welcome/Introductions/Meeting Minutes
- Vendor report: network project updates
- UASI budget updates
- Old/New business

Thanks! See you all tomorrow!
-- Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, October 16, 2018 9:31 AM EDT
To: Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Christopher Ward <Christopher Ward <cward@police.somerville.ma.us>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; John Surette <John Surette <john.surette@pd.boston.gov>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, October 16, 2018 11:37 AM EDT
To: sarah.plowman@boston.gov
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Fwd: Whidden HVAC quote update details
Attachment(s): "Everett Whidden AC revised kac.pdf","ATT00001.htm"

Sarah
Here is the corrections on Whidden

I am so sorry for delay

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘□

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Kelly Cinelli <kcinelli@lan-tel.com>
Date: October 16, 2018 at 11:34:42 AM EDT
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: RE: Whidden HVAC quote update details

All set - attached

From: Eric Johnson
Sent: Tuesday, October 16, 2018 11:21 AM

To: Kelly Cinelli <kcinelli@lan-tel.com>
Subject: FW: Whidden HVAC quote update details

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, September 25, 2018 10:30 AM
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Brenda Jones <brenda.jones@boston.gov>
Subject: Whidden HVAC quote update details

Hi Eric,

Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:

- Update the date to be current
- Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.
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- Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
- Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
- Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.

Thank you so much!
Sarah

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Sarah Plowman
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Boston City Hall, Room 204

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, October 17, 2018 4:32 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; vstancato@lan-tel.com <vstancato@lan-tel.com>
Subject: Re: Whidden HVAC quote update details

Thanks so much, Eric!

On Tue, Oct 16, 2018 at 11:37 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Here is the corrections on Whidden
>
> I am so sorry for delay
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> Eric
>
>
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
>

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Subject: FW: Whidden HVAC quote update details

From: Sarah Plowman <sarah.plowman@boston.gov>
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Sarah Plowman

Regional Planner

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 18, 2018 9:43 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; vstancato@lan-tel.com <vstancato@lan-tel.com>
Subject: Re: Whidden HVAC quote update details

Hi Eric,

Upon a closer look - I noticed that you took out the itemized pricing by line. I hadn't mentioned anything about changing that in my first email because your original quote did already have the itemization and we do need to keep that piece.

Therefore, can you please resend this with the itemization put back in for each equipment line?

Thank you,
Sarah

On Wed, Oct 17, 2018 at 4:32 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

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> > Eric Johnson
> > **Project Manager**
> > 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> > **M 617-785-8254**
> > **| www.lan-tel.com. I** Twitter
> >
> > ejohnson@lan-tel.com
> >
> > TWITTER : @ejctown
> >
> > http://linkedin.com/in/eric-johnson-9702a62b.
> >
> > www.lan-tel.com

Begin forwarded message:

From: Kelly Cinelli <kcinelli@lan-tel.com>
Date: October 16, 2018 at 11:34:42 AM EDT
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: RE: Whidden HVAC quote update details

All set - attached

From: Eric Johnson
Sent: Tuesday, October 16, 2018 11:21 AM
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Subject: FW: Whidden HVAC quote update details

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Thank you so much!

Sarah

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Sarah Plowman

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Mayor's Office of Emergency Management

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, October 18, 2018 9:45 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>
Subject: Re: Whidden HVAC quote update details

will do sorry

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 18, 2018 9:43 AM
To: Eric Johnson
Cc: Kelly Cinelli; Vincent Stancato
Subject: Re: Whidden HVAC quote update details

Hi Eric,

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> > Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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From: Kelly Cinelli <kcinelli@lan-tel.com>
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Sarah

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From: Kelly Cinelli <kcinelli@lan-tel.com>
Sent: Thursday, October 18, 2018 11:23 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: Whidden HVAC quote update details
Attachment(s): "Everett Whidden ACKACrevised1018.pdf"

HI Sarah – Thank you so much! The attached should be accurate now – if you need anything else, please let me know.

Thank you,
Kelly

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 18, 2018 11:03 AM
To: Kelly Cinelli <kcinelli@lan-tel.com>
Subject: Fwd: Whidden HVAC quote update details

Hi Kelly,

See below for the email with the requested changes, and the May 9 quote we were referring to. Again, the most recent update is almost right -- just needs the itemized cost for those 4 bullet points.

Thanks again,
Sarah

---------- Forwarded message ---------
From: **Sarah Plowman** <sarah.plowman@boston.gov>
Date: Tue, Sep 25, 2018 at 10:29 AM
Subject: Whidden HVAC quote update details
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Brenda Jones <brenda.jones@boston.gov>

Hi Eric,

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Sarah

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 18, 2018 11:46 AM EDT
To: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Whidden HVAC quote update details

Thanks, Kelly!

On Thu, Oct 18, 2018 at 11:23 AM Kelly Cinelli <kcinelli@lan-tel.com> wrote:

> HI Sarah – Thank you so much! The attached should be accurate now – if you need anything else, please let me know.
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> Kelly
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> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Thursday, October 18, 2018 11:03 AM
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> **Subject:** Fwd: Whidden HVAC quote update details
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> From: **Sarah Plowman** <sarah.plowman@boston.gov>
> Date: Tue, Sep 25, 2018 at 10:29 AM
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Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, October 22, 2018 2:39 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: FATPOT invoice/milestone alignment
Attachment(s): "9918128 Revised -BOSTOEM-10-04-2018-2.pdf","Lan-Tel -FATPOT FINAL QUOTE.pdf","Projected Timeline.pdf","Boston Phase IV Project Timeline.pdf"

Hi Eric,

Regarding the most recent invoice for the FATPOT project (attached), could you please clarify where it falls under the SOW Phases (noted in the attached "final quote" document), the Projected Timeline document (attached, same name) and/or the "Boston Phase IV" document (attached)?

It's an odd dollar amount that doesn't seem to coordinate with any of those documents.

Thanks,
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, October 22, 2018 3:14 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: FATPOT invoice/milestone alignment

I will look into it

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Oct 22, 2018, at 2:41 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Regarding the most recent invoice for the FATPOT project (attached), could you please clarify where it falls under the SOW Phases (noted in the attached "final quote" document), the Projected Timeline document (attached, same name) and/or the "Boston Phase IV" document (attached)?

It's an odd dollar amount that doesn't seem to coordinate with any of those documents.

Thanks,
Sarah

--
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<9918128 Revised -BOSTOEM-10-04-2018-2.pdf>

<Lan-Tel -FATPOT FINAL QUOTE.pdf>

<Projected Timeline.pdf>

<Boston Phase IV Project Timeline.pdf>

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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, October 23, 2018 2:42 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Jarrod Fullerton <Jarrod Fullerton <jfullerton@genetec.com>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Update for Tomorrow's Meeting
Attachment(s): "Security Camera Strategy Meeting_10-24-18.docx"

Attached are the updates for tomorrow's meeting.

Thanks.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, October 23, 2018 2:43 PM EDT
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
BCC: John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Christopher Ward <Christopher Ward <cward@police.somerville.ma.us>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>; rswartz@mnrecc.org <rswartz@mnrecc.org>; ssheehan@police.somerville.ma.us <ssheehan@police.somerville.ma.us>; Ann Roper Quinn <Ann Roper Quinn <annroper.quinn@boston.gov>>; Bob Gillan <Bob Gillan <rgillan@quincyma.gov>>; Brent Campbell <Brent Campbell <bcampbell@quincyma.gov>>; Brian Glavin <Brian Glavin <bglavin@quincyma.gov>>; Brian Kyes <Brian Kyes <bkyes@chelseama.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>; Christopher Major <Christopher Major <cmajor@somervillema.gov>>; Dan Cotter <Dan Cotter <bcotter@police.somerville.ma.us>>; Dave Carifio <Dave Carifio <dcarifio@revere.org>>; Elliot Derdak <Elliot Derdak <derdak@bostonems.org>>; Jack Albert <Jack Albert <jalbert@cambridgepolice.org>>; James Guido <James Guido <jguido@reverepolice.org>>; Jay Mazzola <Jay Mazzola <jmazzola@mnrecc.org>>; Joe Conlon <Joe Conlon <jconlon@chelseama.gov>>; Joe Griffin <Joe Griffin <jgriffin@gbpc.org>>; Joe Jackson <Joe Jackson <jjackson@quincyma.gov>>; Joe O'Hare < Joe O'Hare <o'hare@bostonems.org>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; Joseph Brooks <Joseph Brooks <joseph.brooks@boston.gov>>; Melissa Nazzaro <Melissa Nazzaro <Melissa.nazzaro@massmail.state.ma.us>>; Mike Worley <Mike Worley <mworley@quincyma.gov>>; Paul Flanagan <Paul Flanagan <pflanagan@town.winthrop.ma.us>>; Paula Lawrence <Paula Lawrence <paula.lawrence@boston.gov>>; Ramon Garcia <Ramon Garcia <RGarcia@chelseama.gov>>; Richard Swartz <Richard Swartz <captswartz@town.winthrop.ma.us>>; Steve Staffier <Steve Staffier <sstaffier@massport.com>>; Thomas Moran <Thomas Moran <MBHSR9@gmail.com>>; Thomas Moran <Thomas Moran <tbmoran48@gmail.com>>; Tim Donovan <Tim Donovan <tdonovan2@somervillema.gov>>; rlavey@police.somerville.ma.us <rlavey@police.somerville.ma.us>; Chief Terence Delehanty <Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>>; Greg McCarthy <Greg McCarthy <greg.mccarthy@boston.gov>>; John Daley <John Daley <John.Daley@pd.boston.gov>>; Kevin McGoldrick <Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>>; Matthew Kervin <Matthew Kervin <matthew.kervin@pd.boston.gov>>; Pam Monzione <Pam Monzione <pmonzione@chelseama.gov>>; Paul Sheehan <Paul Sheehan <psheehan@cambridgefire.org>>; Ryan McGovern <Ryan McGovern <ryan.mcgovern@boston.gov>>; Stephen A Ahern (Deputy) < Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>>; Timothy Connolly <Timothy Connolly <timothy.connolly@pd.boston.gov>>; Tony Carli <Tony Carli <tony.carli@cityofeverett.org>>
Subject: UASI Meeting hold date: Wednesday, Nov 28

Hi UASI subcommittee members (CIS, Critical Infrastructure, and PSnet),

You and your colleagues have suggested having another "UASI meeting day" on Wednesday, November 28. At the most recent subcommittee meetings last week, it was proposed to put CIS at 10am, Critical Infrastructure at 11:30am, and PSnet at 1pm. However, I believe there's a lot of overlap between CIS and PSnet folks, and so to be kind to those who attend both but *don't* attend CIKR in the middle, I would like to suggest swapping CIS & CIKR:

Wednesday, Nov 28:

- **10am: Critical Infrastructure**
- **11:30am: CIS**
- **1pm: PSnet**

Location TBD

Please update your calendars with those dates/times. I should be sending out a Google calendar invite this week with more information.

Thanks!
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, October 24, 2018 2:01 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: FATPOT invoice/milestone alignment

Thank you. Please send along documentation when you can; this payment is being held while we are researching this.

On Mon, Oct 22, 2018 at 3:14 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> I will look into it
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> On Oct 22, 2018, at 2:41 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:
>
> Hi Eric,
>
> Regarding the most recent invoice for the FATPOT project (attached), could you please clarify where it falls under the SOW Phases (noted in the attached "final quote" document), the Projected Timeline document (attached, same name) and/or the "Boston Phase IV" document (attached)?
>
> It's an odd dollar amount that doesn't seem to coordinate with any of those documents.
>
> Thanks,
> Sarah
>
> --
> **Sarah Plowman**

Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

<9918128 Revised -BOSTOEM-10-04-2018-2.pdf>

<Lan-Tel -FATPOT FINAL QUOTE.pdf>

<Projected Timeline.pdf>

<Boston Phase IV Project Timeline.pdf>

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 25, 2018 10:39 AM EDT
To: Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>
BCC: Douglas Gray <Douglas Gray <dgray@maverickcorporation.com>>; mmcnally@maverickcorporation.com <mmcnally@maverickcorporation.com>; bfazio@sullymac.com <bfazio@sullymac.com>; vstancato@lan-tel.com <vstancato@lan-tel.com>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Bryan Hopkins <Bryan Hopkins <bhopkins@comm-tract.com>>
Subject: Re: Cancelled City of Boston Bid Event EV00006056

Hello all,

This is to let you know that we have just cancelled the Somerville Fiber Run bid event (EV00006056). We unfortunately do not have sufficient information available to us to proceed with the bid at this time. We do plan to reissue a bid for a Somerville fiber project in the near future, however. Thanks for your interest in this bid and we hope that you'll consider the future one as well.

Sarah Plowman

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, October 29, 2018 4:46 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Conf. call re: FATPOT project

Scott & Eric,

Brenda and I would still like to have a conference call to go over the logistics of the FATPOT contract with LAN-TEL. This is a project management call regarding project phases/milestones, invoices and payments, etc. We do not need to involve the FATPOT team members at this point since the contract is between the City and LAN-TEL.

Please let me know which of the following day(s)/time(s) will work for you for a call:

- Tuesday, Nov 6, morning
- Tuesday, Nov 6, afternoon
- Wednesday, Nov 7, afternoon
- Thursday, Nov 8, morning
- Thursday, Nov 8, afternoon

Thank you,
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Scott Wilder <swilder@brooklinema.gov>
Sent: Monday, October 29, 2018 4:57 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: RE: Conf. call re: FATPOT project

Tuesday or Thursday morning will work for me.

From: Sarah Plowman [mailto:sarah.plowman@boston.gov]
Sent: Monday, October 29, 2018 4:47 PM
To: Eric Johnson <ejohnson@lan-tel.com>; Scott Wilder <swilder@brooklinema.gov>
Cc: Brenda Jones <brenda.jones@boston.gov>
Subject: Conf. call re: FATPOT project

Scott & Eric,

Brenda and I would still like to have a conference call to go over the logistics of the FATPOT contract with LAN-TEL. This is a project management call regarding project phases/milestones, invoices and payments, etc. We do not need to involve the FATPOT team members at this point since the contract is between the City and LAN-TEL.

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- Tuesday, Nov 6, morning
- Tuesday, Nov 6, afternoon
- Wednesday, Nov 7, afternoon
- Thursday, Nov 8, morning
- Thursday, Nov 8, afternoon

Thank you,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, October 29, 2018 5:20 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: Conf. call re: FATPOT project

Thursday the 8th AN for me

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Oct 29, 2018, at 4:47 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Scott & Eric,

Brenda and I would still like to have a conference call to go over the logistics of the FATPOT contract with LAN-TEL. This is a project management call regarding project phases/milestones, invoices and payments, etc. We do not need to involve the FATPOT team members at this point since the contract is between the City and LAN-TEL.

Please let me know which of the following day(s)/time(s) will work for you for a call:

- Tuesday, Nov 6, morning
- Tuesday, Nov 6, afternoon
- Wednesday, Nov 7, afternoon
- Thursday, Nov 8, morning
- Thursday, Nov 8, afternoon

Thank you,

Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, October 30, 2018 9:44 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: Conf. call re: FATPOT project

Great, thanks! I'll send out an invite for 9:30 on Thursday morning, Nov 8.

On Mon, Oct 29, 2018 at 5:20 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Thursday the 8th AN for me
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

On Oct 29, 2018, at 4:47 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Scott & Eric,
>
> Brenda and I would still like to have a conference call to go over the logistics of the FATPOT contract with LAN-TEL. This is a project management call regarding project phases/milestones, invoices and payments, etc. We do not need to involve the FATPOT team members at this point since the contract is between the City and LAN-TEL.
>
> **Please let me know which of the following day(s)/time(s) will work for you for a call:**
>
> - Tuesday, Nov 6, morning
> - Tuesday, Nov 6, afternoon
> - Wednesday, Nov 7, afternoon
> - Thursday, Nov 8, morning

- Thursday, Nov 8, afternoon

Thank you,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Wednesday, October 31, 2018 4:36 PM EDT
To: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Shannon LeColst <Shannon LeColst <Shannon.LeColst@Boston.Gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: PSnet: Setting up RADIUS account for Shannon LeColst
Attachment(s): "smime.p7s"

Scott,

Given the role that Shannon LeColst is playing within MBHSR, it seems appropriate to give her a RADIUS account on PSnet. Initially, this will allow her to access the InterMapper systems, but it will also enable her to connect into the network to access other resources.

Please confirm, and I will set up the account for her. We'll also spend some time to bring her up to speed on using InterMapper, and this will in turn help her assess the current state of PSnet and associated resources. This may become relevant as we look into piloting various security-related services.

Thanks...
...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: Thursday, November 01, 2018 8:27 AM EDT
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Shannon LeColst <Shannon LeColst <Shannon.LeColst@Boston.Gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: RE: PSnet: Setting up RADIUS account for Shannon LeColst

Agreed, and approved for Shannon's radius account,
Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Wednesday, October 31, 2018 4:37 PM
To: Scott Wilder <swilder@brooklinema.gov>
Cc: Sarah Plowman <Sarah.Plowman@Boston.gov>; Shannon LeColst <Shannon.LeColst@Boston.Gov>; Eric Johnson <EJohnson@LAN-TEL.com>; Fred Goldstein <Fred@Interisle.net>; Colin Strutt <Colin@Interisle.net>
Subject: PSnet: Setting up RADIUS account for Shannon LeColst
Importance: High

Scott,

Given the role that Shannon LeColst is playing within MBHSR, it seems appropriate to give her a RADIUS account on PSnet. Initially, this will allow her to access the InterMapper systems, but it will also enable her to connect into the network to access other resources.

Please confirm, and I will set up the account for her. We'll also spend some time to bring her up to speed on using InterMapper, and this will in turn help her assess the current state of PSnet and associated resources. This may become relevant as we look into piloting various security-related services.

Thanks...
...Chuck

--

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

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 02, 2018 1:40 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: FATPOT invoice/milestone alignment

Eric,

I am holding onto a $41,520 invoice (9918128) from LAN-TEL dated September 30 because I cannot tie it to any particular phase or milestone of the FATPOT project as noted in the SOW. Can you please escalate this to your LAN-TEL/FATPOT project management team so that we can process this for payment?

Thank you,
Sarah

On Wed, Oct 24, 2018 at 2:01 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Thank you. Please send along documentation when you can; this payment is being held while we are researching this.
>
> On Mon, Oct 22, 2018 at 3:14 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> > I will look into it
> >
> > Respectfully,
> >
> > Eric Johnson
> > **Project Manager**
> > 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> > **M 617-785-8254**
> > **| www.lan-tel.com. I** Twitter
> >
> > ejohnson@lan-tel.com ☘
> >
> > TWITTER : @ejctown
> >
> > http://linkedin.com/in/eric-johnson-9702a62b.
> >
> > www.lan-tel.com
> >
> > On Oct 22, 2018, at 2:41 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:
> >
> > Hi Eric,
> >
> > Regarding the most recent invoice for the FATPOT project (attached), could you please clarify where it falls

under the SOW Phases (noted in the attached "final quote" document), the Projected Timeline document (attached, same name) and/or the "Boston Phase IV" document (attached)?

It's an odd dollar amount that doesn't seem to coordinate with any of those documents.

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

<9918128 Revised -BOSTOEM-10-04-2018-2.pdf>

<Lan-Tel -FATPOT FINAL QUOTE.pdf>

<Projected Timeline.pdf>

<Boston Phase IV Project Timeline.pdf>

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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, November 02, 2018 1:42 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: FATPOT invoice/milestone alignment

Yes are working on it to verify what you have received

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Nov 2, 2018, at 1:41 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric,

I am holding onto a $41,520 invoice (9918128) from LAN-TEL dated September 30 because I cannot tie it to any particular phase or milestone of the FATPOT project as noted in the SOW. Can you please escalate this to your LAN-TEL/FATPOT project management team so that we can process this for payment?

Thank you,
Sarah

On Wed, Oct 24, 2018 at 2:01 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Thank you. Please send along documentation when you can; this payment is being held while we are researching this.
>
> On Mon, Oct 22, 2018 at 3:14 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> > I will look into it

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Oct 22, 2018, at 2:41 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Regarding the most recent invoice for the FATPOT project (attached), could you please clarify where it falls under the SOW Phases (noted in the attached "final quote" document), the Projected Timeline document (attached, same name) and/or the "Boston Phase IV" document (attached)?

It's an odd dollar amount that doesn't seem to coordinate with any of those documents.

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

<9918128 Revised -BOSTOEM-10-04-2018-2.pdf>

<Lan-Tel -FATPOT FINAL QUOTE.pdf>

<Projected Timeline.pdf>

<Boston Phase IV Project Timeline.pdf>

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, November 06, 2018 2:08 PM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Report for Tomorrow's Meeting
Attachment(s): "Security Camera Strategy Meeting_11-7-18.docx"

Attached is the status report with the latest updates for tomorrow's meetings.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, November 07, 2018 4:05 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: User Manual for tomorrows conference call
Attachment(s): "FLIR-FATPOT Integration Manual.pdf"

All:
This will be used for tomorrows conference call.

Thanks
Eric

LAN-TEL
Integrating Communication Systems
www.lan-tel.com • 800.551.8599

Respectfully,

Eric Johnson
Security Project Manager
1400 PROVIDENCE HIGHWAY,
SUITE 3100
NORWOOD, MA 02062

M 617.785.8254 | **F** 781.551.8667

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

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From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Thursday, November 08, 2018 1:38 PM EST
To: sarah.plowman@boston.gov
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Proposal and Revised Invoice for Fatpot Integration Project
Attachment(s): "DOC110818-11082018123555.pdf","Lan-Tel -FATPOT FINAL QUOTE.pdf","image001.jpg"

Hi Sarah,

The revised invoice and our proposal detailing the deliverables are attached. Please reach out if you have any questions.

Thank you,

Kate

Kate Waldron
Vice President
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781.352.4134 | M 617.680.1351
kwaldron@lan-tel.com | **www.lan-tel.com**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 09, 2018 1:39 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: PSnet site clean up/organization

Hi Eric,

At the PSnet meeting a few weeks ago, Vinny reported that LAN-TEL has been going through the PSnet data closets, antenna sites, etc., for clean up, ensuring battery packs, firmware updates, general reorganizing, etc. Have you been documenting these visits with photos? If so, can you please upload the photos to a folder on the SharePoint site, and if not, can you please instruct your team to begin taking photos of the sites after you've worked on them so that we can have a digital catalog?

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, November 09, 2018 1:41 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: PSnet site clean up/organization

Absolutely will do

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Nov 9, 2018, at 1:40 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

At the PSnet meeting a few weeks ago, Vinny reported that LAN-TEL has been going through the PSnet data closets, antenna sites, etc., for clean up, ensuring battery packs, firmware updates, general reorganizing, etc. Have you been documenting these visits with photos? If so, can you please upload the photos to a folder on the SharePoint site, and if not, can you please instruct your team to begin taking photos of the sites after you've worked on them so that we can have a digital catalog?

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 09, 2018 1:42 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: PSnet site clean up/organization

Great, thank you! I'm glad LAN-TEL is methodically going through these things. It will be good to have updated photos of the sites, too.

On Fri, Nov 9, 2018 at 1:41 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Absolutely will do
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> On Nov 9, 2018, at 1:40 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:
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> Hi Eric,
>
> At the PSnet meeting a few weeks ago, Vinny reported that LAN-TEL has been going through the PSnet data closets, antenna sites, etc., for clean up, ensuring battery packs, firmware updates, general reorganizing, etc. Have you been documenting these visits with photos? If so, can you please upload the photos to a folder on the SharePoint site, and if not, can you please instruct your team to begin taking photos of the sites after you've worked on them so that we can have a digital catalog?
>
> Thanks,
> Sarah
>
> --

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, November 09, 2018 1:44 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: PSnet site clean up/organization

Yes we also have some extra cams that I am installing to
Look at the equipment in some spots and changing locks on racks

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Nov 9, 2018, at 1:42 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Great, thank you! I'm glad LAN-TEL is methodically going through these things. It will be good to have updated photos of the sites, too.

On Fri, Nov 9, 2018 at 1:41 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Absolutely will do
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Nov 9, 2018, at 1:40 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

At the PSnet meeting a few weeks ago, Vinny reported that LAN-TEL has been going through the PSnet data closets, antenna sites, etc., for clean up, ensuring battery packs, firmware updates, general reorganizing, etc. Have you been documenting these visits with photos? If so, can you please upload the photos to a folder on the SharePoint site, and if not, can you please instruct your team to begin taking photos of the sites after you've worked on them so that we can have a digital catalog?

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
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Regional Planner

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, November 14, 2018 11:07 AM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Proposal and Revised Invoice for Fatpot Integration Project
Attachment(s): "image002.jpg","image002.jpg"

Thanks very much! And this invoice has now been submitted for payment.

On Thu, Nov 8, 2018 at 1:38 PM Kate Waldron <kwaldron@lan-tel.com> wrote:

> Hi Sarah,
>
> The revised invoice and our proposal detailing the deliverables are attached. Please reach out if you have any questions.
>
> Thank you,
>
> Kate
>
> Kate Waldron
>
> **Vice President**
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
>
> **T 781.352.4134 | M 617.680.1351**
>
> kwaldron@lan-tel.com | **www.lan-tel.com**
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Wednesday, November 14, 2018 11:42 AM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Re: Proposal and Revised Invoice for Fatpot Integration Project

Great. Thanks very much for all your help with this.

Get Outlook for iOS

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, November 14, 2018 11:07 AM
To: Kate Waldron
Cc: Eric Johnson
Subject: Re: Proposal and Revised Invoice for Fatpot Integration Project

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On Thu, Nov 8, 2018 at 1:38 PM Kate Waldron <kwaldron@lan-tel.com> wrote:

> Hi Sarah,
>
> The revised invoice and our proposal detailing the deliverables are attached. Please reach out if you have any questions.
>
> Thank you,
>
> Kate
>
> Kate Waldron
>
> **Vice President**
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
>
> **T 781.352.4134 | M 617.680.1351**
>
> kwaldron@lan-tel.com | **www.lan-tel.com**
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Sarah Plowman

Regional Planner
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Boston City Hall, Room 204

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From: Dennis Drain <ddrain@lan-tel.com>
Sent: Friday, November 16, 2018 12:09 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: LAN-TEL PSNET November 03, 2018 Bill
Attachment(s): "9918324-COBOSAU-11-16-2018-2.PDF","PSNET Back Up October 21st through November 3rd.xls","image001.jpg"

Sarah

I have attached a copy of our invoice, along with the backup for the above referenced job.

Thank you.

Dennis Drain
Controller
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com

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From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Friday, November 16, 2018 3:24 PM EST
To: sarah.plowman@boston.gov
Subject: CIMS Billing for October 2018
Attachment(s): "CIMS October FINAL .xls","9918325-DOINNOV-11-16-2018-2.pdf","image001.jpg"

Hi Sarah,

I have attached our invoice for CIMS for October. Please let us know if you have any questions.

Best wishes for a Happy Thanksgiving,

Kate

Kate Waldron
Vice President
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781.352.4134 | M 617.680.1351
kwaldron@lan-tel.com | **www.lan-tel.com**
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, November 16, 2018 6:30 PM EST
To: sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Fwd: PSnet: Cambridge Courthouse switch failure
Attachment(s): "PSnet Cambridge Courthouse switch failure.msg","ATT00001.htm"

Keeping you all in loop . Bpd notified about possible impact to their cams in Back Bay .

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Chuck Wade <Chuck@Interisle.net>
Date: November 16, 2018 at 6:17:28 PM EST
To: David Mahoney <DAMahoney@CambridgeFire.org>
Cc: Gerry Reardon <GReardon@CambridgeFire.Org>, Eric Johnson <EJohnson@LAN-TEL.com>, Greg Washburn <GWashburn@LAN-TEL.com>, Jim Rex <JRex@LAN-TEL.com>, Mark Savage <MSavage@LAN-TEL.com>, Scott Wilder <SWilder@BrooklineMA.gov>, Ellison Patterson <Ellison1@Skywave.org>, Glenn Turner <GTurner@Skywave.org>, Fred Goldstein <Fred@Interisle.net>, Colin Strutt <Colin@Interisle.net>
Subject: PSnet: Cambridge Courthouse switch failure

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contained in, or attached to, this email is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender and delete this e-mail from your computer system.

From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, November 16, 2018 6:17 PM EST
To: David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>
CC: Gerry Reardon <Gerry Reardon <GReardon@CambridgeFire.Org>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Greg Washburn <Greg Washburn <GWashburn@LAN-TEL.com>>; Jim Rex <Jim Rex <JRex@LAN-TEL.com>>; Mark Savage <Mark Savage <MSavage@LAN-TEL.com>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: PSnet: Cambridge Courthouse switch failure
Attachment(s): "smime.p7s"

Dave, et al.,

We had a Cisco 3550-12T switch fail at the Courthouse site (40 Thorndike St). It needs to be replaced, though we may be able to merely re-patch any critical connections from the failed switch to its redundant mate. Either way, someone from LAN-TEL (probably Greg Washburn) will need to go on site. Can you help contact the right players at DCAS to make arrangements for someone to get into this site?

I'm trying to conduct an assessment of the situation, and determine if the switch will actually need to be replaced immediately, or if we can hold off and merely re-patch some connections. If we do need to replace this switch, then someone will need to get into the PSnet storage/staging room at Cambridge Fire HQ to retrieve a replacement switch.

For the record, the most significant problem we have with this switch being down is that the microwave link from Courthouse to Schroeder Plaza is currently unusable since it connects into this failed switch. This does mean that Cambridge, MIT, and Harvard currently have only one path to the Zone 2 Core at this time. However, I believe I should be able to configure an alternative path so that full path redundancy can be restored. Also, for the record, Brookline is unaffected by this problem, and I will probably arrange to have Cambridge use the Brookline to NEBH path to restore full path redundancy to the Zone 2 Core.

I'll provide further updates as I dig into the recovery options further.

Feel free to call my mobile if you want to discuss any of this...

...Chuck

--

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

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Saturday, November 17, 2018 7:53 AM EST
To: sarah.plowman@boston.gov; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>
Subject: Camb C H Update

We are at the Camb CH working with Chuck who is providing remote technical assistance to change over switch .

Will update when complete or with other info if it is of value .

Thanks

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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From: Chuck Wade <Chuck@Interisle.net>
Sent: Saturday, November 17, 2018 8:51 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; sarah.plowman@boston.gov; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>
Subject: Re: Camb C H Update
Attachment(s): "smime.p7s"

Eric,

Greg just finished moving the patch cables over to the working switch at the Courthouse site around 08:10, and I've confirmed that traffic is now flowing as it should. Everything is now in good shape, with the only caveat that the Courthouse site is running on a single switch. However, we are in the process of decommissioning this site, so it may not be worth installing a replacement switch, though I will get one prepped, just in case. I want to put our efforts into getting the new Avalon North Point site at 1 Leighton Ave. up, since that will allow us to finish decommissioning Courthouse.

I'll just note that this was a most unusual failure. We were lucky to have found this problem as quickly as we did, since there were no obvious problems in the network aside from some routing issues, and this failed switch appeared to be working fine, and was passing traffic until I poked hard at it. When I tried a reload on this bad switch, it failed its power on self tests (POST), and did not come back up. Fortunately, having this switch actually fail is what allowed routing to work correctly for the rest of the network.

At this point, I've been monitoring traffic for over a half hour, and everything looks stable and traffic levels are what they should be.

...Chuck

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On 11/17/18 7:53 AM, Eric Johnson wrote:

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>
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Project Manager
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| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

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From: Chuck Wade <Chuck@Interisle.net>
Sent: Saturday, November 17, 2018 10:22 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; sarah.plowman@boston.gov; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>
Subject: Re: Camb C H Update
Attachment(s): "smime.p7s"

Folks,

There seems to have been some confusion about the severity of the problems early evening, yesterday. While PSnet was experiencing route instability that was affecting traffic traversing the backbone, most services were unaffected. In particular, I believe that most CIMS camera traffic was unaffected, and I also believe that all MCC7500 console systems should have stayed connected to the Zone 2 Core. However, users of the BRIC CrimeView or FATPOT services may have experienced spotty performance. If anyone is aware of specific problems, please let me know.

To clarify the timeframes for these problems, it looks like the instabilities in backbone routing began around 16:08, and should have been resolved by around 17:40. However, as of 17:40 last evening, we had lost the path from Cambridge [former] Courthouse to Schroeder Plaza, though other paths carried most of this traffic. This morning, all paths through the Courthouse site were restored at around 08:10.

...Chuck

Chuck Wade, Principal
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+1 508 435-3050 Office
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On 11/17/18 8:51 AM, Chuck Wade wrote:

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> > Will update when complete or with other info if it is of value .

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Respectfully,

Eric Johnson
Project Manager
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, November 19, 2018 1:35 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; storressen@lan-tel.com <storressen@lan-tel.com>
Subject: Re: PSnet: Cambridge Courthouse switch failure

Thanks, Eric.

On Fri, Nov 16, 2018 at 6:30 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Keeping you all in loop . Bpd notified about possible impact to their cams in Back Bay .
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> Begin forwarded message:
>
> **From:** Chuck Wade <Chuck@Interisle.net>
> **Date:** November 16, 2018 at 6:17:28 PM EST
> **To:** David Mahoney <DAMahoney@CambridgeFire.org>
> **Cc:** Gerry Reardon <GReardon@CambridgeFire.Org>, Eric Johnson <EJohnson@LAN-TEL.com>, Greg Washburn <GWashburn@LAN-TEL.com>, Jim Rex <JRex@LAN-TEL.com>, Mark Savage <MSavage@LAN-TEL.com>, Scott Wilder <SWilder@BrooklineMA.gov>, Ellison Patterson <Ellison1@Skywave.org>, Glenn Turner <GTurner@Skywave.org>, Fred Goldstein <Fred@Interisle.net>, Colin Strutt <Colin@Interisle.net>
> **Subject: PSnet: Cambridge Courthouse switch failure**
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---------- Forwarded message ----------
From: Chuck Wade <Chuck@interisle.net>
To: David Mahoney <DAMahoney@cambridgefire.org>
Cc: Gerry Reardon <GReardon@cambridgefire.org>, Eric Johnson <EJohnson@lan-tel.com>, Greg Washburn <GWashburn@lan-tel.com>, Jim Rex <JRex@lan-tel.com>, Mark Savage <MSavage@lan-tel.com>, Scott Wilder <SWilder@brooklinema.gov>, Ellison Patterson <Ellison1@skywave.org>, Glenn Turner <GTurner@skywave.org>, Fred Goldstein <Fred@interisle.net>, Colin Strutt <Colin@interisle.net>
Bcc:
Date: Fri, 16 Nov 2018 18:17:28 -0500
Subject: PSnet: Cambridge Courthouse switch failure

Dave, et al.,

We had a Cisco 3550-12T switch fail at the Courthouse site (40 Thorndike St). It needs to be replaced, though we may be able to merely re-patch any critical connections from the failed switch to its redundant mate. Either way, someone from LAN-TEL (probably Greg Washburn) will need to go on site. Can you help contact the right players at DCAS to make arrangements for someone to get into this site?

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 23, 2018 3:02 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: CIMS Billing for October 2018
Attachment(s): "image002.jpg","image002.jpg"

Kate,

It would seem that a lot of the line items in the excel spreadsheet repeat themselves. Is this an accounting error? I don't mean if more than one person performed a task. I mean a task showing up on one date, and then again a few days later - the exact same lines. For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing. For another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication? Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage. Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

Thanks for the clarification,
Sarah

Thanks,
Sarah

On Fri, Nov 16, 2018 at 3:24 PM Kate Waldron <kwaldron@lan-tel.com> wrote:

> Hi Sarah,
>
> I have attached our invoice for CIMS for October. Please let us know if you have any questions.
>
> Best wishes for a Happy Thanksgiving,
>
> Kate
>
> Kate Waldron
>
> **Vice President**
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
>
> **T 781.352.4134 | M 617.680.1351**
>
> kwaldron@lan-tel.com | **www.lan-tel.com**
>
> FOLLOW US: Twitter | LinkedIn | Facebook
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Saturday, November 24, 2018 8:30 AM EST
To: Sarah Plowman <'Sarah Plowman' <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: CIMS Billing for October 2018

Hi Sarah,
I apologize for the confusion with some of the entries. Eric and I will review the entries on Monday and provide clarifications and additional details so that it's very clear regarding the work performed.

Thanks for your patience,

Kate and Eric

From: Sarah Plowman [mailto:sarah.plowman@boston.gov]
Sent: Friday, November 23, 2018 3:03 PM
To: Kate Waldron <kwaldron@lan-tel.com>
Subject: Re: CIMS Billing for October 2018

Kate,

It would seem that a lot of the line items in the excel spreadsheet repeat themselves. Is this an accounting error? I don't mean if more than one person performed a task. I mean a task showing up on one date, and then again a few days later - the exact same lines. For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing. For another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication? Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage. Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

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Sarah Plowman
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From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Monday, November 26, 2018 11:33 AM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: CIMS Billing for October 2018 -- LAN-TEL's response to your request for clarification
Attachment(s): "CIMS October FINAL .xls"

Hi Sarah,

Regarding your questions below, we offer the following clarifications:

Email Issue 1: CIMS - BOSTON Warren and Milk (note- it should say MLK)
For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing.

Description of Work Performed:
Axis camera randomly going to home position. replaced camera with Bosch dome fixed. Camera did not land on system. Troubleshoot. Modem updated. Installed a temp axis fixed to get thru night. Next night installed a fixed dvtel fixed. Camera no good. Installed another dvtel fixed . All set

LAN-TEL Response:
As noted in our invoice description this repair was performed over the course of two days which is why you see the same description on multiple days. This problem was worked on by our technicians on both October 1 and October 3.

Email Issue 2: F*or another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication?*

Description of Work Performed:
CIMS - REVERE
Got the radio link installed at Oak Island and North Shore RD site connected from the corner to the park

LAN-TEL Response:
The entries were not a duplication because the repair took place over multiple days and on regular and OT. While some work was performed on the 18th the balance was performed on the 20th which would require two separate entries on two separate days for the same work ticket. To further add some of the work had to be undertaken on off hours in the AM due to extreme traffic conditions. We did not want to cause a disturbance for normal traffic flow in this corridor, incur further cost for traffic details , nor have our technicians in harm' s way . It was agreed upon with RPD Detective Ken Bruker to perform this work in this fashion simply for practicality and safety.

Email Issue 3: ***Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage***

Description of Work Performed:
CIMS - BOSTON Ipswich Street
install radios and mounts @ 1330,bfd

LAN-TEL Response:
Original cameras were mounted on Boston Public School / Boston Arts Academy on Ipswich St in April of 2014 due to Boston Marathon Bombing and perimeter protection of Fenway Park since the Red Sox play on same day as the Marathon. In the late summer of 2018 the Cameras had to be removed due to a building demolition.

Subsequently due to Boston Red Sox participation in the 2018 World Series. It was relayed by BPD personnel to LAN-TEL that the cameras were to be reinstalled on key points on Ipswich Street and Boylston St. which would serve the dual purpose of further advancing the effort to integrate existing BPD cameras onto new BONET hubs. We determined that BONET Fiber existed at BFD Fire Alarm located in the Fenway. To make this key link we had to reinstall equipment at 1330 Boylston St. This would act as a permanent hub for the above mentioned sites and back haul camera transmission to the roof of BFD and thus connect to BONET.

This work was performed by different technicians over multiple days which is what it took to complete the reinstallation of the existing cameras over a broad area in such a short amount of time.

Email Issues 4: Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

LAN-TEL Response:
Throughout the month of October there were issues with the synchronization of the servers used for CIMS which caused time stamps to be incorrect due to an issue with Windows updates. This issue in known industry issue. The synchronization of the servers for the video system is done through a Network Time Protocol Server commonly referred to as NTP. Each server runs Windows as the operating system. Windows looks every day to the NTP server and sets the time on the server according to the NTP server time. We had

previously had the servers synch to the default gateway at 10.0.66.1 but this started to experience problems with errors and we changed it in the spring to synch with the Video Authentication Server on the Boston PD network. We set up a NTP server on that machine and the servers check that daily. It had been working much better than the previous system. LAN-TEL worked with Lou Madeira of Boston Police Department on this issue over the course of several days.

Additional Notes that were inadvertently omitted from the invoice are as follows – I have attached a revised invoice containing this information:
10/10 Eric Nisbet worked 4 hours of regular time related to updating Pivot 3 servers.

10/13 Mark Savage and Gregory Washburn worked 2 hours OT each to repair the antenna on the roof of the Villa Victoria Public Housing complex. They antenna as misaligned and missing a cover. The antenna was recabled and realigned at the housing complex and then resynched with the antenna at the other end.

I hope this above clarifications help. If it would be helpful/easier for you for us to have a call with you to discuss this further please let us know.

Kate and Eric

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 23, 2018 3:03 PM
To: Kate Waldron <kwaldron@lan-tel.com>
Subject: Re: CIMS Billing for October 2018

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>
> Best wishes for a Happy Thanksgiving,
>
> Kate
>
> Kate Waldron
> **Vice President**
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
> **T 781.352.4134 | M 617.680.1351**
> kwaldron@lan-tel.com | **www.lan-tel.com**
> FOLLOW US: Twitter | LinkedIn | Facebook
>
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, November 27, 2018 1:58 PM EST
To: John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Christopher Ward <Christopher Ward <cward@police.somerville.ma.us>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Reminder! PSnet Meeting tomorrow (1pm), Deer Island (Winthrop)
Attachment(s): "10.17.18 PSNEC mtg minutes DRAFT.doc"

Hello PSNEC folks,

Just a reminder that *tomorrow 1pm* we have a PSnet meeting. Thanks to Winthrop for securing for us the classroom at the Deer Island MWRA facility (and for providing lunch!). If you heed an address for GPS directions, use 165 Tafts Ave, Winthrop. **Please bring ID in order to enter the facility!**

Please note that I have attached a set of meeting minutes for your review from our October 17 meeting. Also, the agenda for tomorrow is as follows:

- Welcome/introductions/meeting minutes
- Vendor report: network project updates
- Old/New Business

Thanks! See you tomorrow,
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, November 27, 2018 4:16 PM EST
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager
Attachment(s): "MACUFinal.pdf","ATT00001.htm"

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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From: Brenda Jones <brenda.jones@boston.gov>
Sent: Tuesday, November 27, 2018 4:32 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: MACU One Pager

Thank you Eric, this is perfect!

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@boston.gov

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> Respectfully,
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> Eric Johnson
> **Project Manager**
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> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli

Marketing Manager

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, December 03, 2018 12:12 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: CIMS Billing for October 2018

Thanks, Kate. This has been submitted for payment.

On Sat, Nov 24, 2018 at 8:30 AM Kate Waldron <kwaldron@lan-tel.com> wrote:

> Hi Sarah,
>
> I apologize for the confusion with some of the entries. Eric and I will review the entries on Monday and provide clarifications and additional details so that it's very clear regarding the work performed.
>
> Thanks for your patience,
>
> Kate and Eric

From: Sarah Plowman [mailto:sarah.plowman@boston.gov]
Sent: Friday, November 23, 2018 3:03 PM
To: Kate Waldron <kwaldron@lan-tel.com>
Subject: Re: CIMS Billing for October 2018

Kate,

It would seem that a lot of the line items in the excel spreadsheet repeat themselves. Is this an accounting error? I don't mean if more than one person performed a task. I mean a task showing up on one date, and then again a few days later - the exact same lines. For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing. For another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication? Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage. Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

Thanks for the clarification,

Sarah

Thanks,
Sarah

On Fri, Nov 16, 2018 at 3:24 PM Kate Waldron <kwaldron@lan-tel.com> wrote:

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> I have attached our invoice for CIMS for October. Please let us know if you have any questions.
>
> Best wishes for a Happy Thanksgiving,
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> Kate

Kate Waldron

Vice President

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Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

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Phone: 617.635.1400

Fax: 617.635.2974

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, December 03, 2018 12:14 PM EST
To: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: CIMS Billing for October 2018 -- LAN-TEL's response to your request for clarification

Thanks for providing the additional information. It's helpful; because there's no indication on the line items of how many days it is. (e.g. ".... day 1 of 3" or something). If it's possible to add those notations to future invoices, that would clear up the confusion.

On Mon, Nov 26, 2018 at 11:33 AM Kate Waldron <kwaldron@lan-tel.com> wrote:

> Hi Sarah,
>
> Regarding your questions below, we offer the following clarifications:
>
> ***Email Issue 1: CIMS - BOSTON Warren and Milk (note- it should say MLK)***
>
> *For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing.*
>
> ***Description of Work Performed:***
>
> *Axis camera randomly going to home position. replaced camera with Bosch dome fixed. Camera did not land on system. Troubleshoot. Modem updated. Installed a temp axis fixed to get thru night. Next night installed a fixed dvtel fixed. Camera no good. Installed another dvtel fixed . All set*
>
> **LAN-TEL Response:**
>
> As noted in our invoice description this repair was performed over the course of two days which is why you see the same description on multiple days. This problem was worked on by our technicians on both October 1 and October 3.
>
> **Email Issue 2:** F*or another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication?*
>
> **Description of Work Performed:**
>
> CIMS - REVERE
>
> Got the radio link installed at Oak Island and North Shore RD site connected from the corner to the park
>
> **LAN-TEL Response:**
>
> The entries were not a duplication because the repair took place over multiple days and on regular and OT. While some work was performed on the 18th the balance was performed on the 20th which would require two separate entries on two separate days for the same work ticket. To further add some of the work had to be undertaken on off hours in the AM due to extreme traffic conditions. We did not want to cause a disturbance for normal traffic flow in this corridor, incur further cost for traffic details , nor have our technicians in harm' s way . It was agreed upon with RPD Detective Ken Bruker to perform this work in this fashion simply for practicality and safety.
>
> **Email Issue 3:** ***Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage***

Description of Work Performed:

CIMS - BOSTON Ipswich Street

install radios and mounts @ 1330,bfd

LAN-TEL Response:

Original cameras were mounted on Boston Public School / Boston Arts Academy on Ipswich St in April of 2014 due to Boston Marathon Bombing and perimeter protection of Fenway Park since the Red Sox play on same day as the Marathon. In the late summer of 2018 the Cameras had to be removed due to a building demolition.

Subsequently due to Boston Red Sox participation in the 2018 World Series. It was relayed by BPD personnel to LAN-TEL that the cameras were to be reinstalled on key points on Ipswich Street and Boylston St. which would serve the dual purpose of further advancing the effort to integrate existing BPD cameras onto new BONET hubs. We determined that BONET Fiber existed at BFD Fire Alarm located in the Fenway. To make this key link we had to reinstall equipment at 1330 Boylston St. This would act as a permanent hub for the above mentioned sites and back haul camera transmission to the roof of BFD and thus connect to BONET.

This work was performed by different technicians over multiple days which is what it took to complete the reinstallation of the existing cameras over a broad area in such a short amount of time.

Email Issues 4: Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

LAN-TEL Response:

Throughout the month of October there were issues with the synchronization of the servers used for CIMS which caused time stamps to be incorrect due to an issue with Windows updates. This issue in known industry issue. The synchronization of the servers for the video system is done through a Network Time Protocol Server commonly referred to as NTP. Each server runs Windows as the operating system. Windows looks every day to the NTP server and sets the time on the server according to the NTP server time. We had previously had the servers synch to the default gateway at 10.0.66.1 but this started to experience problems with errors and we changed it in the spring to synch with the Video Authentication Server on the Boston PD network. We set up a NTP server on that machine and the servers check that daily. It had been working much better than the previous system. LAN-TEL worked with Lou Madeira of Boston Police Department on this issue over the course of several days.

Additional Notes that were inadvertently omitted from the invoice are as follows – I have attached a revised invoice containing this information:

10/10 Eric Nisbet worked 4 hours of regular time related to updating Pivot 3 servers.

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I hope this above clarifications help. If it would be helpful/easier for you for us to have a call with you to discuss this further please let us know.

Kate and Eric

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, November 23, 2018 3:03 PM
To: Kate Waldron <kwaldron@lan-tel.com>
Subject: Re: CIMS Billing for October 2018

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It would seem that a lot of the line items in the excel spreadsheet repeat themselves. Is this an accounting error? I don't mean if more than one person performed a task. I mean a task showing up on one date, and then again a few days later - the exact same lines. For example, lines 7 & 8 (dated Oct 1) are for an issue regarding an axis camera on Warren & Milk St in Boston. Later, lines 23 and 24 of the spreadsheet appear to be duplicates of lines 7 & 8, with the other variation being the "date" column now reading Oct 3 and one of the employee names changing. For another example, Sean Pappas recorded the exact same description for work in Revere for both Oct 18 and Oct 20, as did Scott Whitcomb. Is that a duplication? Installing radios and mounts at 1330.bfd shows up on Oct 2 and 6 for Mark Savage. Eric Nisbet recorded "Time Synch Issues" on 4 different days (what does this mean anyway?).

Thanks for the clarification,

Sarah

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On Fri, Nov 16, 2018 at 3:24 PM Kate Waldron <kwaldron@lan-tel.com> wrote:

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Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Monday, December 03, 2018 1:52 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: CIMS Billing for October 2018 -- LAN-TEL's response to your request for clarification

Hi Sarah,

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Kate

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Phone: 617.635.1400
Fax: 617.635.2974
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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, December 04, 2018 1:03 PM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Update
Attachment(s): "Security Camera Strategy Meeting_12-5-18.docx"

Hi all - for tomorrow's camera meeting, attached is the latest status update. Please contact me with any questions or updates.

Talk (or see) you all tomorrow. :)

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Susan O'Byrne <sobyrne@lan-tel.com>
Sent: Friday, December 14, 2018 9:52 AM EST
To: sarah.plowman@boston.gov
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: November CIMS Billing
Attachment(s): "9918460-DOINNOV-12-13-2018-2.pdf","CIMS Final November Back up.xls","image001.jpg"

Hello Sarah,

Please see attached invoice (9918460) and back up for CIMS work completed in November 2018.
Feel free to reach out to me for any additional information.

Thank you,
Susan

Susan O'Byrne

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-702-4904 |
sobyrne@lan-tel.com | **www.lan-tel.com**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, December 14, 2018 11:17 AM EST
To: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>
Subject: Re: Whidden HVAC quote update details
Attachment(s): "PO 697929 Whidden HVAC.pdf"

Hello Kelly & Eric,

Just following up on the Whidden HVAC project. I have a copy of the PO attached to give you (LAN-TEL also should be automatically emailed a copy). Thank you for your patience and partnership on this project. I've also copied Sgt. Jeff Gilmore of Everett PD who can assist in coordinating implementation dates/details/access as needed.

Once the work is completed, please email me a copy of the invoice so that I can submit it for payment.

Thank you,
Sarah

On Thu, Oct 18, 2018 at 11:46 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Thanks, Kelly!
>
> On Thu, Oct 18, 2018 at 11:23 AM Kelly Cinelli <kcinelli@lan-tel.com> wrote:
>
> > HI Sarah – Thank you so much! The attached should be accurate now – if you need anything else, please let me know.
> >
> > Thank you,
> >
> > Kelly
> >
> > **From:** Sarah Plowman <sarah.plowman@boston.gov>
> > **Sent:** Thursday, October 18, 2018 11:03 AM
> > **To:** Kelly Cinelli <kcinelli@lan-tel.com>
> > **Subject:** Fwd: Whidden HVAC quote update details
> >
> > Hi Kelly,
> >
> > See below for the email with the requested changes, and the May 9 quote we were referring to. Again, the most recent update is almost right -- just needs the itemized cost for those 4 bullet points.
> >
> > Thanks again,
> >
> > Sarah
> >
> > ---------- Forwarded message ---------
> > From: **Sarah Plowman** <sarah.plowman@boston.gov>
> > Date: Tue, Sep 25, 2018 at 10:29 AM
> > Subject: Whidden HVAC quote update details
> > To: Eric Johnson <ejohnson@lan-tel.com>
> > Cc: Brenda Jones <brenda.jones@boston.gov>
> >
> > Hi Eric,
> >
> > Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:
> >
> > - Update the date to be current
> > - Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.

- Update section header on page 2 to read "New air conditioning unit equipment" since the labor portion will also roll into PSnet contract.
- Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
- Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
- Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.

Thank you so much!

Sarah

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, December 18, 2018 12:42 PM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting Status Report
Attachment(s): "Security Camera Strategy Meeting_12-19-18.docx"

Attached is the status report for tomorrow's meeting. Please plan to attend as our next meeting is not until 1/16/19.

Thank you.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, December 21, 2018 12:52 PM EST
To: Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?= <sobyrne@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: November CIMS Billing

Thanks! This has been submitted for payment.

On Fri, Dec 14, 2018 at 9:52 AM Susan O'Byrne <sobyrne@lan-tel.com> wrote:

> Hello Sarah,
>
> Please see attached invoice (9918460) and back up for CIMS work completed in November 2018.
>
> Feel free to reach out to me for any additional information.
>
> Thank you,
>
> Susan
>
> Susan O'Byrne
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
>
> **T 781-702-4904 |**
>
> sobyrne@lan-tel.com | **www.lan-tel.com**
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, December 28, 2018 12:38 PM EST
To: Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
Subject: PSnet: All four HPE Blade servers now running latest vSphere ESXi 6.7 Update 1
Attachment(s): "smime.p7s"

Folks,

We have now completed upgrading all four PSnet HPE Blade Servers (two at Schroeder Plaza in Boston, and two at Healy Facility in Cambridge). These are now at vSphere ESXi 6.7.0 Update 1 (Build 10764712) for the hypervisor OS. All patches and vendor-specific updates have also been applied to each of these servers.

Due to HPE's attempt to force premature obsolescence of these BL460c Gen 8 Blade servers, this whole process was a lot more involved than it should have been, and required multiple manual steps, including a total of four reboots per server. To add insult to injury, HPE also screwed up their scripts for installing the Emulex (a.k.a., Broadcom) driver package used to support iSCSI over Ethernet, which is how we access the HPE 3PAR storage systems. As a result, I had to manually remove, and re-install the Emulex iSCSI driver package (VIB in VMware terminology). It also require a lot of research and testing to confirm the procedures for resolving this problem. All of this work had to be done via the command line interfaces, and could not be done using the vCenter system management utility service.

As an aside, these HPE BL460c Gen 8 Blade servers use a pair of Intel Xeon E5-2640v2 8-core processors, which are fully supported by some of HPE's competitors for the latest version of the vSphere ESXi software, which we are now running. Furthermore, in the Interisle lab, we're using an older generation Dell server (roughly equivalent to HPE's Gen 7) based on Intel Xeon E5645 6-core processors. We have also brought this Dell server (R710) up to the latest version of vSphere ESXi 6.7 Update 1. While Dell does not provide custom builds for the newer ESXi versions for this older line of servers, it was no problem using their custom builds for more recent servers, and the entire upgrade process was handled using the automated vCenter Update Manager with no issues. The old HP was better than the the new HPE, which seems to have lost its way.

I should also point out that we have moved to the latest version of VMware's vCenter system management utility, which has now been deployed as a VM appliance (referred to as VCSA for vCenter Server Appliance). This is also at version 6.7, and it is current with all patches applied, including a critical security update that came out last week.

The reason that all of this matters and was worth the hassle, is that we are now running on a more stable vSphere system with a set of enhancements that will make it easier for us to make use of the HPE 3PAR storage systems. However, the most important benefits of being on the latest vSphere system relate to operational support. Instead of the hodge-podge of management interfaces and system utilities that we had to work within in the prior versions, VMware has completed the integration of all of these disjoint systems into a much cleaner vCenter system that provides a single user interface via a standard HTML5 browser (no more Adobe Flash required). The individual Blade Servers can also be managed via a clean HTML5 browser interface. This greatly simplifies support, and should make it much easier for other people to work with these systems. Even if we stay at this version, it should fully support PSnet's needs for the next 2-3 years, and we will be able to keep it updated with patches and related updates.

Plus, the new vSphere combined with recent firmware improvements for the HPE 3PAR storage systems means that we finally have a well-integrated system for allocating and managing storage for VMs using the VMware VVol (virtual volume) technology introduced recently that is also supported by the 3PAR systems. We plan to move all the current VMs over to using VVols instead of allocating storage within DataStores that are awkward to manage in a shared, virtual infrastructure. This should reduce our operational burden considerably going forward.

Bottom line, we're in a much better place with the PSnet virtual infrastructure as we enter 2019.

...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: Friday, December 28, 2018 1:02 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
Subject: RE: PSnet: All four HPE Blade servers now running latest vSphere ESXi 6.7 Update 1

Hi Chuck,
Thanks for the update, I know from experience what you describe was a long drawn out process, and must have been frustrating at times.
Thanks for getting this work done, Happy New Year to all on this email,
Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, December 28, 2018 12:38 PM
To: Colin Strutt <Colin@Interisle.net>; Fred Goldstein <Fred@Interisle.net>; Eric Johnson <EJohnson@LAN-TEL.com>; Scott Wilder <swilder@brooklinema.gov>; Sarah Plowman <Sarah.Plowman@Boston.gov>
Subject: PSnet: All four HPE Blade servers now running latest vSphere ESXi 6.7 Update 1
Importance: High

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, January 02, 2019 10:00 AM EST
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>
Subject: Re: PSnet: All four HPE Blade servers now running latest vSphere ESXi 6.7 Update 1

Thanks, Chuck, for the work and the update. Thanks to all of you for your time on PSnet.

On Fri, Dec 28, 2018 at 1:02 PM Scott Wilder <swilder@brooklinema.gov> wrote:

> Hi Chuck,
>
> Thanks for the update, I know from experience what you describe was a long drawn out process, and must have been frustrating at times.
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Sent: Friday, December 28, 2018 12:38 PM
To: Colin Strutt <Colin@Interisle.net>; Fred Goldstein <Fred@Interisle.net>; Eric Johnson <EJohnson@LAN-TEL.com>; Scott Wilder <swilder@brooklinema.gov>; Sarah Plowman <Sarah.Plowman@Boston.gov>
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Importance: High

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Dennis Drain <ddrain@lan-tel.com>
Sent: Friday, January 04, 2019 4:58 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: LAN-TEL/Office of Emergency Management Fatpot PO # BOSTN0000687995 Inv # 9918512
Attachment(s): "9918512A-BOSTOEM-1-04-2019-2.pdf","image001.jpg"

Sarah

I thought this was already sent to you.

Dennis Drain
Controller
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, January 08, 2019 11:55 AM EST
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: LAN-TEL/Office of Emergency Management Fatpot PO # BOSTN0000687995 Inv # 9918512

Thanks, Dennis. This has been submitted for payment.

On Fri, Jan 4, 2019 at 4:58 PM Dennis Drain <ddrain@lan-tel.com> wrote:

> Sarah
>
> I thought this was already sent to you.
>
> Dennis Drain
>
> Controller
>
> 1400 Providence Highway
>
> Norwood, MA 02062
>
> Phone 781-680-5906
>
> Fax: 781-551-8667
>
> ddrain@lan-tel.com
>
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Brenda Jones <brenda.jones@boston.gov>
Sent: Wednesday, January 09, 2019 3:32 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: MACU Question

Eric,

If we want to rent this vehicle, how difficult is it to remove the drone capability? If you want to discuss via phone, let's do at your convenience.

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@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, January 09, 2019 5:53 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: MACU Question

Brenda :
It's very easy , we leave in he case back in office . Very detachable
I will give you a call tomorrow .

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Jan 9, 2019, at 3:33 PM, Brenda Jones <brenda.jones@boston.gov> wrote:

Eric,

If we want to rent this vehicle, how difficult is it to remove the drone capability? If you want to discuss via phone, let's do at your convenience.

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@boston.gov

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From: Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>
Sent: Friday, January 11, 2019 9:36 AM EST
To: sarah.plowman@boston.gov
CC: fred@interisle.net; ehernandez@chelseama.gov; Ellison Patterson <Ellison Patterson <ellison1@skywave.org>>; John Surette < John Surette <john.surette@pd.boston.gov>>; jgoodwin@town.winthrop.ma.us; sreichgott@brooklinema.gov; smaywalt@cambridgepolice.org; Shawn.Romanoski@pd.boston.gov; mkiely@police.somerville.ma.us; ejohnson@lan-tel.com; brenda.jones@boston.gov; damahoney@cambridgefire.org; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; wcarter@town.winthrop.ma.us; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; swilder@brooklinema.gov; sford@reverepolice.org; linda.calnan@boston.gov; colin@interisle.net; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Jason.Marshall@pd.boston.gov; shannon.lecolst@boston.gov; kvetreno@chelseama.gov; rgriffin@chelseama.gov; chuck@interisle.net; sonya.schey@state.ma.us; gina.collier@cityofeverett.org
Subject: Re: Updated invitation with note: PSnet Meeting @ Thu Jan 17, 2019 12:30pm - 1:30pm (EST) (jeffrey.gilmore@cityofeverett.org)

Just a heads up Sgt Gina Collier will be assuming my UASI related responsibilities with the exception of Tactical and Training issues. Gina is Cced on this chain, and she will be attending next weeks meetings with me, to make introductions and get an understanding of how things work. It's been a pleasure working with and getting to know all of you. Please feel free to reach out to me with any questions as we make this transition.

Have a good weekend,
Jeff

Sergeant Jeffrey Gilmore
Everett Police Dept
45 Elm Street
Everett, MA. 02149
Off 617 394-2462
Cell 617 828-8017
Jeffrey.gilmore@cityofeverettt.org

On Jan 7, 2019, at 2:01 PM, "sarah.plowman@boston.gov" <sarah.plowman@boston.gov> wrote:

This event has been changed with this note:
" UPDATE: Thanks to Revere PD for hosting us! NOTE that lunch is not provided; there are various restaurants in the area for those who will need to grab lunch before or after the meeting. Agenda likely to include: Welcome Vendor report: network project updates UASI budget updates Old/New Business Thanks!"
more details »<https://www.google.com/calendar/event?action=VIEW&eid=M2g2dWFydTRoaDFrcTc4ODdwbGQ3ajA0bTYgamVmZnJleS5naWxtb3JlQGNpdHlvZmV2ZXJldHQub3Jn&tok=MjQjc2FyYWgucGxvd21hbkBib3N0b24uZ292ODc4NmMxMTdkI

Changed: PSnet Meeting
When Thu Jan 17, 2019 12:30pm – 1:30pm Eastern Time - New York
Where Changed: Revere Police Department, 400 Revere Beach Pkwy, Revere, MA 02151, USA (map<https://maps.google.com/maps?q=Revere+Police+Department,+400+Revere+Beach+Pkwy,+Revere,+MA+02151,+USA&hl=en>)
Calendar jeffrey.gilmore@cityofeverett.org
Who • sarah.plowman@boston.gov - organizer
- fred@interisle.net
- ehernandez@chelseama.gov
- Ellison Patterson
- John Surette
- jgoodwin@town.winthrop.ma.us
- sreichgott@brooklinema.gov
- smaywalt@cambridgepolice.org
- Shawn.Romanoski@pd.boston.gov
- mkiely@police.somerville.ma.us
- ejohnson@lan-tel.com
- brenda.jones@boston.gov
- damahoney@cambridgefire.org
- Dan Rothman
- wcarter@town.winthrop.ma.us
- Jim Fitzpatrick
- swilder@brooklinema.gov
- sford@reverepolice.org
- linda.calnan@boston.gov
- colin@interisle.net
- Brett Haynes
- Jason.Marshall@pd.boston.gov
- shannon.lecolst@boston.gov
- jeffrey.gilmore@cityofeverett.org
- kvetreno@chelseama.gov
- rgriffin@chelseama.gov
- chuck@interisle.net
- sonya.schey@state.ma.us

Changed:
UPDATE: Thanks to Revere PD for hosting us!

NOTE that lunch is not provided; there are various restaurants in the area for those who will need to grab lunch before or after the meeting.

Agenda likely to include:

* Welcome
* Vendor report: network project updates
* UASI budget updates
* Old/New Business

Thanks!

~~~~~~~~~~~
UPDATE: Due to scheduling issues, this meeting will now be taking place at 12:30pm, for one hour. Same day! Thank you for your flexibility.

Agenda items to follow after the holidays.
Going (jeffrey.gilmore@cityofeverett.org)? Yes<https://www.google.com/calendar/event?action=RESPOND&eid=M2g2dWFydTRoaDFrcTc4ODdwbGQ3ajA0bTYgamVmZnJleS5naWxtb3JlQGNpdHlvZmV2ZXJldHQub3Jn&rst=1&tok=MjQjc2FyYWgucGxvd21hbkBib3N0b24uZ292ODc4N
- Maybe<https://www.google.com/calendar/event?action=RESPOND&eid=M2g2dWFydTRoaDFrcTc4ODdwbGQ3ajA0bTYgamVmZnJleS5naWxtb3JlQGNpdHlvZmV2ZXJldHQub3Jn&rst=3&tok=MjQjc2FyYWgucGxvd21hbkBib3N0b24uZ292ODc4N
- No<https://www.google.com/calendar/event?action=RESPOND&eid=M2g2dWFydTRoaDFrcTc4ODdwbGQ3ajA0bTYgamVmZnJleS5naWxtb3JlQGNpdHlvZmV2ZXJldHQub3Jn&rst=2&tok=MjQjc2FyYWgucGxvd21hbkBib3N0b24uZ292ODc4N
more options »<https://www.google.com/calendar/event?action=VIEW&eid=M2g2dWFydTRoaDFrcTc4ODdwbGQ3ajA0bTYgamVmZnJleS5naWxtb3JlQGNpdHlvZmV2ZXJldHQub3Jn&tok=MjQjc2FyYWgucGxvd21hbkBib3N0b24uZ292ODc4NmMxMTdkI
Invitation from Google Calendar<https://www.google.com/calendar/>

You are receiving this courtesy email at the accountjeffrey.gilmore@cityofeverett.org because you are an attendee of this event.

To stop receiving future updates for this event, decline this event. Alternatively you can sign up for a Google account athttps://www.google.com/calendar/ and control your notification settings for your entire calendar.

Forwarding this invitation could allow any recipient to modify your RSVP response. Learn More<https://support.google.com/calendar/answer/37135#forwarding>.

<invite.ics>

<meeting.ics>
~~~~~~~~~~~

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Saturday, January 12, 2019 1:38 PM EST
To: sarah.plowman@boston.gov
Subject: Fwd: Somerville Radios

FYI

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Eric Johnson <ejohnson@Lan-Tel.com>
Date: January 12, 2019 at 1:37:46 PM EST
To: Michael Kiely <mkiely@police.somerville.ma.us>
Subject: Fwd: Somerville Radios

I called him too

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: ejohnson@Lan-Tel.com
Date: January 12, 2019 at 1:37:18 PM EST
To: Chuck Wade <Chuck@Interisle.net>, Colin Strutt <colin@interisle.net>, Fred Goldstein <Fred@Interisle.net>, storressen@lan-tel.com
Subject: Somerville Radios

Chuck
Sgt Kiely reporting radios downs at Lowell st site . He has AllComm on way in but wondering if we have PSnet connected there ?

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Saturday, January 12, 2019 2:15 PM EST
To: sarah.plowman@boston.gov
Subject: Fwd: Somerville Radios

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Fred Goldstein <fred@interisle.net>
Date: January 12, 2019 at 1:57:48 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>, Chuck Wade <Chuck@Interisle.net>, Colin Strutt <colin@interisle.net>, Scott Torressen <storressen@lan-tel.com>
Subject: Re: Somerville Radios

On 1/12/2019 1:37 PM, Eric Johnson wrote:

> Chuck
> Sgt Kiely reporting radios downs at Lowell st site . He has AllComm on way in but wondering if we have PSnet connected there ?

Nothing I see on our maps refers to Lowell St.

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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--
Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
+1 617 795 2701

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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, January 15, 2019 2:46 PM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Update for Tomorrow's Meeting
Attachment(s): "Security Camera Strategy Meeting_1-16-19.docx"

Hi all - attached is the status update to review in tomorrow's camera meeting. Looking forward to seeing you all there. :)

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: John Gillis <john.r.gillis@boston.gov>
Sent: Tuesday, January 15, 2019 2:48 PM EST
To: Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>
CC: Beers, Jeff; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Gilchrist, Robert; Haynes, Brett; Henry, Brian; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; McDavitt, Conor; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Pereira, Jeffrey; Ramasamy, Krishnamoorthi; Reidy, Richard; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stavenson, Mauori; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Vasconcelos, Nelson; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>
Subject: Re: Security Camera Strategy Meeting - Status Update for Tomorrow's Meeting

Thanks, I'll be there.

On Tue, Jan 15, 2019 at 2:47 PM Linda Calnan <linda.calnan@boston.gov> wrote:

> Hi all - attached is the status update to review in tomorrow's camera meeting. Looking forward to seeing you all there. :)
>
> **Linda Calnan**
> **Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston**
>
> 1 City Hall Square, Room 109
> Boston, MA 02201
> D: 617-635-2875
> C: 781-738-2020
> linda.calnan@boston.gov

--
John Gillis
Security Operations Manager
Office: 617-635-0187
Cell: 617-821-4501
Email: John.R.Gillis@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, January 16, 2019 10:15 AM EST
To: John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Meredith Willis <Meredith Willis <mwillis@police.sommerville.ma.us>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
Subject: PSnet Meeting tomorrow (and minutes from Nov for your review)
Attachment(s): "11.28.19 PSNEC mtg minutes DRAFT.doc"

Hello PSnet Exec,

Just a reminder that we are meeting **tomorrow, Thursday, Jan 17 at 12:30pm at Revere PD**. I've attached the meeting minutes from November for your review prior to the vote to approve them tomorrow.

Also - for those of you who may be staying for multiple "UASI Day" meetings, please note that lunch will not be provided. There are multiple locations in the area where you can grab something, including:

- La Esquina del Sabor (by Beachmont T -- 1 Unity Ave, Revere)
- Toretta's Italian Bakery - has subs, salads, etc. (by Beachmont T -- 652 Winthrop Ave, Revere)
- Airport Diner (10 Furlong Dr, Revere)
- Wendy's (42 Furlong Dr, Revere)
- Dunkin' & Starbucks for coffee/sandwiches (DD is by Beachmont T, SBUX is in Target on Furlong Dr)
- Stop & Shop deli (Furlong Dr next to Target)

There are also others if you Google the area. :)

Thanks, and see you tomorrow!
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Joe <jpepjonovich@quincyma.gov>
Sent: Friday, January 18, 2019 7:30 AM EST
To: Sarah Plowman < 'Sarah Plowman' <sarah.plowman@boston.gov>>; <RGILLAN@quincyma.gov>
<RGILLAN@quincyma.gov>
CC: Eric Johnson < 'Eric Johnson' <EJohnson@LAN-TEL.com>>
Subject: FW: 10 HLS cameras

Sarah,

Below list was sent to Eric Johnson for 10 new cameras:

Thanks,

Joe

Eric,

QPD would like cameras at the following locations:

1- 1 Merrymount Parkway to monitor the EOC **(we have fiber inside EOC which should be used for this camera)**

2- Burgin Parkway & Centre St

3- Washington St & Southern Artery

4- Beale St & Newport Ave **(fiber located at QFD nearby)**

5- Quincy Ave & Southern Artery

6- Hancock St & Dimmock St intersection

7- Beale St & Adams St intersection

8- Palmer St & Sea St **(Fiber on pole)**

9- Quincy Shore Dr & E Squantum St

10- QPD fuel pumps

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, January 18, 2019 9:12 AM EST
To: Joe <Joe <jpepjonovich@quincyma.gov>>
CC: Bob Gillan <Bob Gillan <RGILLAN@quincyma.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>
Subject: Re: FW: 10 HLS cameras

Thanks for sharing this list, Joe! I'll start the EHP as soon as I get photos and street addresses from you for the exact installation locations. Eric, please wait for confirmation to install cameras until the EHP has been approved. Thanks, all.

On Fri, Jan 18, 2019 at 7:30 AM Joe <jpepjonovich@quincyma.gov> wrote:

> Sarah,
>
> Below list was sent to Eric Johnson for 10 new cameras:
>
> Thanks,
>
> Joe
>
> ---
>
> Eric,
>
> QPD would like cameras at the following locations:
>
> -
>
> **1-** 1 Merrymount Parkway to monitor the EOC **(we have fiber inside EOC which should be used for this camera)**
>
> 2- Burgin Parkway & Centre St
>
> 3- Washington St & Southern Artery
>
> 4- Beale St & Newport Ave **(fiber located at QFD nearby)**
>
> 5- Quincy Ave & Southern Artery
>
> 6- Hancock St & Dimmock St intersection
>
> 7- Beale St & Adams St intersection
>
> 8- Palmer St & Sea St **(Fiber on pole)**
>
> 9- Quincy Shore Dr & E Squantum St
>
> 10- QPD fuel pumps

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, January 18, 2019 9:32 AM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Joe <Joe <jpepjonovich@quincyma.gov>>; Bob Gillan <Bob Gillan <RGILLAN@quincyma.gov>>
Subject: Re: 10 HLS cameras

Received

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Jan 18, 2019, at 9:13 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Thanks for sharing this list, Joe! I'll start the EHP as soon as I get photos and street addresses from you for the exact installation locations. Eric, please wait for confirmation to install cameras until the EHP has been approved. Thanks, all.

On Fri, Jan 18, 2019 at 7:30 AM Joe <jpepjonovich@quincyma.gov> wrote:

> Sarah,
>
> Below list was sent to Eric Johnson for 10 new cameras:
>
> Thanks,
>
> Joe

Eric,

QPD would like cameras at the following locations:

1- 1 Merrymount Parkway to monitor the EOC **(we have fiber inside EOC which should be used for this camera)**

2- Burgin Parkway & Centre St

3- Washington St & Southern Artery

4- Beale St & Newport Ave **(fiber located at QFD nearby)**

5- Quincy Ave & Southern Artery

6- Hancock St & Dimmock St intersection

7- Beale St & Adams St intersection

8- Palmer St & Sea St **(Fiber on pole)**

9- Quincy Shore Dr & E Squantum St

10- QPD fuel pumps

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, January 18, 2019 9:59 AM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
BCC: John Surette <John Surette <john.surette@pd.boston.gov>>; rswartz@mnrecc.org <rswartz@mnrecc.org>; ssheehan@police.somerville.ma.us <ssheehan@police.somerville.ma.us>; Ann Roper Quinn <Ann Roper Quinn <annroper.quinn@boston.gov>>; Bob Gillan <Bob Gillan <rgillan@quincyma.gov>>; Brent Campbell <Brent Campbell <bcampbell@quincyma.gov>>; Brian Glavin <Brian Glavin <bglavin@quincyma.gov>>; Brian Kyes <Brian Kyes <bkyes@chelseama.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>; Christopher Major <Christopher Major <cmajor@somervillema.gov>>; Dan Cotter <Dan Cotter <bcotter@police.somerville.ma.us>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Dave Carifio <Dave Carifio <dcarifio@revere.org>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Elliot Derdak <Elliot Derdak <derdak@bostonems.org>>; Jack Albert <Jack Albert <jalbert@cambridgepolice.org>>; James Guido <James Guido <jguido@reverepolice.org>>; Jay Mazzola <Jay Mazzola <jmazzola@mnrecc.org>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>; Joe Conlon <Joe Conlon <jconlon@chelseama.gov>>; Joe Griffin <Joe Griffin <jgriffin@gbpc.org>>; Joe Jackson <Joe Jackson <jjackson@quincyma.gov>>; Joe O'Hare < Joe O'Hare <o'hare@bostonems.org>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Joseph Brooks <Joseph Brooks <joseph.brooks@boston.gov>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Melissa Nazzaro <Melissa Nazzaro <Melissa.nazzaro@massmail.state.ma.us>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Mike Worley <Mike Worley <mworley@quincyma.gov>>; Paul Flanagan <Paul Flanagan <pflanagan@town.winthrop.ma.us>>; Paula Lawrence <Paula Lawrence <paula.lawrence@boston.gov>>; Ramon Garcia <Ramon Garcia <RGarcia@chelseama.gov>>; Richard Swartz <Richard Swartz <captswartz@town.winthrop.ma.us>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Steve Staffier <Steve Staffier <sstaffier@massport.com>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Thomas Moran <Thomas Moran <MBHSR9@gmail.com>>; Thomas Moran <Thomas Moran <tbmoran48@gmail.com>>; Tim Donovan <Tim Donovan <tdonovan2@somervillema.gov>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>; Brian Gover <Brian Gover <bgover@cambridgefire.org>>; Chief Terence Delehanty <Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>>; Christopher Ward <Christopher Ward <cward@police.somerville.ma.us>>; Greg McCarthy <Greg McCarthy <greg.mccarthy@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Daley <John Daley <John.Daley@pd.boston.gov>>; Kevin McGoldrick <Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>>; Lt. Richard Lavey < Lt. Richard Lavey <rlavey@police.somerville.ma.us>>; Matthew Kervin <Matthew Kervin <matthew.kervin@pd.boston.gov>>; Nicholas Goon <Nicholas Goon <ngoon@brooklinema.gov>>; Pam Monzione <Pam Monzione <pmonzione@chelseama.gov>>; Paul Sheehan <Paul Sheehan <psheehan@cambridgefire.org>>; Ryan McGovern <Ryan McGovern <ryan.mcgovern@boston.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Stephen A Ahern (Deputy) < Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>>; Timothy Connolly <Timothy Connolly <timothy.connolly@pd.boston.gov>>; Tony Carli <Tony Carli <tony.carli@cityofeverett.org>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgepolice.org>>
Subject: Important: Next two "UASI Day" meetings - including FFY19 Abstract Prioritization

Hello UASI members of CIS, Critical Infrastructure (CIKR), and PSnet --

Thanks for coming to Revere yesterday to the "UASI Day" of subcommittee meetings! It was great to see you and talk through the projects. At the meeting yesterday, we penciled in a few days for the next two "UASI Day"s. I will send out Google calendar invitations soon, once I have a location for either date. (If you'd like to host, let me know). For now -- **if you are unable to attend both of these, or <u>particularly the April FFY19 Prioritization meeting</u>, let me know as soon as possible.**

Next UASI Day: Tuesday, February 26!

- 10 - 11am Critical Infrastructure (CIKR)
- 11:30am - 12:30pm Communications Interoperability (CIS)
- 1pm - 2pm PSnet

I know that not all of you attend all three meetings, but I'm including information for all three for those to whom it applies

FFY19 Prioritization Meeting UASI Day: Tuesday, April 23! <u><-- This meeting is our annual new grant money prioritization meeting. For CIS & CIKR: please make every effort to arrange your schedule such that you can attend. At this meeting we will review/discuss/defend/prioritize all abstracts for the new upcoming grant!</u>

- 10am - 12pm Critical Infrastructure (CIKR)
- 12:30pm - 2:30pm CIS
- 3pm - 4pm PSnet.

Thank you!

Sarah
--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Dennis Drain <ddrain@lan-tel.com>
Sent: Monday, January 21, 2019 3:42 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: LAN-TEL/Office of Emergency Management Fatpot Integration
Attachment(s): "DOC012119-01212019153205.pdf","image001.jpg"

I have attached a copy of the January invoice for the above referenced job.

Thank you.

Dennis Drain
Controller
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com

This email and any files transmitted with it are confidential information of LAN-TEL Communications, Inc. and intended solely for the use of the individual or entity to whom they are addressed. If you are not the intended recipient you hereby are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this email or the information contained in, or attached to, this email is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender and delete this e-mail from your computer system.

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, January 22, 2019 5:51 PM EST
To: sarah.plowman@boston.gov; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; brenda.jones@boston.gov; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
Subject: Fwd: 40 Thorndike Street

Just an FYI

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Mahoney, David A" <DAMahoney@CambridgeFire.Org>
Date: January 22, 2019 at 5:40:57 PM EST
To: Chuck Wade <Chuck@Interisle.net>, Eric Johnson <EJohnson@LAN-TEL.com>
Subject: Fwd: 40 Thorndike Street

Fyi- Pipe burst at cambridge courthouse again, may lose the site

Thanks,
Dave

-------- Original message --------

From: "Heffernan, Walter" <WHeffernan@Cambridge911.org>
Date: 1/22/19 5:37 PM (GMT-05:00)
To: "Mahoney, David A" <DAMahoney@CambridgeFire.Org>
Cc: "Reardon, Gerry" <GReardon@CambridgeFire.Org>
Subject: FW: 40 Thorndike Street

David,

Per Chief, Microwave link will be down so you should see psnet alerts.

Thanks,
Walter

Walter Heffernan
Assistant Director of Public Safety IT
125 Sixth Street 4th floor
Cambridge, MA 02142
Office (617) 349-9477
Mobile (857) 331-3219

-----Original Message-----
From: Mahoney, Gerard E
Sent: Tuesday, January 22, 2019 5:23 PM
To: Cahill, Thomas Jr <TCahill1@CambridgeFire.Org>; Sheehan, Paul <PSheehan@CambridgeFire.Org>
Cc: Giacobbe, Christina <CGiacobbe@Cambridge911.Org>; Reardon, Gerry <GReardon@CambridgeFire.Org>; Heffernan, Walter <WHeffernan@Cambridge911.org>
Subject: 40 Thorndike Street

Deputy Chief Ed Morrissey in Division 1 reports a major sprinkler piping break in the courthouse building near the transformer.

He has requested Water Department and Eversource.

My understanding is all of our equipment has been removed from the building. As far as I'm concerned it's an empty concrete and steel building, with no life hazard and very low fire probability.

There should be no need for fire details, similar to last year.

Thanks,

Gerard E. Mahoney
Acting Chief of Department
Cambridge, MA Fire Department
617-349-4970-Office
617-349-4999-Fax
617-775-9336-Mobile

Sent from my iPhone
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From: Brenda Jones <brenda.jones@boston.gov>
Sent: Tuesday, January 22, 2019 6:14 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: sarah.plowman@boston.gov; Michael Kiely <Michael Kiely <mkiely@police.somerville.ma.us>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>
Subject: Re: 40 Thorndike Street

Thank you Eric,

OEM is confirming receipt of this FYI update.

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@boston.gov

On Tue, Jan 22, 2019 at 5:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Just an FYI
>
> Respectfully,
>
>
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

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From: "Mahoney, David A" <DAMahoney@CambridgeFire.Org>
Date: January 22, 2019 at 5:40:57 PM EST
To: Chuck Wade <Chuck@Interisle.net>, Eric Johnson <EJohnson@LAN-TEL.com>
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From: Michael Kiely <mkiely@police.somerville.ma.us>
Sent: Tuesday, January 22, 2019 6:43 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: sarah.plowman@boston.gov; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>
Subject: Re: 40 Thorndike Street

Thank you

Get Outlook for iOS

From: Brenda Jones <brenda.jones@boston.gov>

Sent: Tuesday, January 22, 2019 6:14:29 PM

To: Eric Johnson

Cc: sarah.plowman@boston.gov; Michael Kiely; Scott Torressen; Peter Baker; Scott Wilder; Chuck Wade

Subject: Re: 40 Thorndike Street

Thank you Eric,

OEM is confirming receipt of this FYI update.

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@boston.gov

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> Respectfully,
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> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

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Date: January 22, 2019 at 5:40:57 PM EST
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Walter

Walter Heffernan
Assistant Director of Public Safety IT
125 Sixth Street 4th floor
Cambridge, MA 02142
Office (617) 349-9477
Mobile (857) 331-3219

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Cc: Giacobbe, Christina <CGiacobbe@Cambridge911.Org>; Reardon, Gerry <GReardon@CambridgeFire.Org>; Heffernan, Walter <WHeffernan@Cambridge911.org>
Subject: 40 Thorndike Street

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Gerard E. Mahoney
Acting Chief of Department
Cambridge, MA Fire Department
617-349-4970-Office
617-349-4999-Fax
617-775-9336-Mobile

Sent from my iPhone
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From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, January 28, 2019 1:46 PM EST
To: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Brenda Jones <Brenda Jones <Brenda.Jones@Boston.gov>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: PSnet: Recommendation to disable Internet access to SharePoint system
Attachment(s): "smime.p7s"

Sarah, Brenda, Scott,

The PSnet firewalls allow the SharePoint service to be accessed from authenticated users coming from the Internet. However, we see no evidence that this service is being used, yet it is a magnet for "door knocking" attacks, some of which have been quite intense lately. While it does not appear anything is getting through, we do not have the ability to investigate what is going on inside the SharePoint system itself.

We recommend disabling Internet access to this system for the time being. This can be re-enabled at any time, should there be users who want to use this service. This recommendation is based on the principle of minimizing exposures where they serve no operational purpose.

Please let us know if there are any reasons to keep Internet access available at this time.

Thank you...
...Chuck

--

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

From: Brenda Jones <brenda.jones@boston.gov>
Sent: Monday, January 28, 2019 3:04 PM EST
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@boston.gov>>; Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: PSnet: Recommendation to disable Internet access to SharePoint system

Chuck,

Thank you for this update. On behalf of OEM, I agree that there is no reason to keep SharePoint enabled since there is no activity nor benefit to the stakeholders. I do understand Scott Wilder as the PSnet chair should provide the final call on this however he is currently on vacation.

Best,

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@boston.gov

On Mon, Jan 28, 2019 at 1:46 PM Chuck Wade <Chuck@interisle.net> wrote:

> Sarah, Brenda, Scott,
>
> The PSnet firewalls allow the SharePoint service to be accessed from authenticated users coming from the Internet. However, we see no evidence that this service is being used, yet it is a magnet for "door knocking" attacks, some of which have been quite intense lately. While it does not appear anything is getting through, we do not have the ability to investigate what is going on inside the SharePoint system itself.
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> Please let us know if there are any reasons to keep Internet access available at this time.
>
> Thank you...
> ...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: Monday, January 28, 2019 3:40 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@boston.gov>>; Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: PSnet: Recommendation to disable Internet access to SharePoint system
Attachment(s): "smime.p7s"

Brenda,

Thanks for the response. I know Scott's on vacation. We can wait until he has time to weigh in on this.

...Chuck

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

On 1/28/19 3:04 PM, Brenda Jones wrote:

> Chuck,
>
> Thank you for this update. On behalf of OEM, I agree that there is no reason to keep SharePoint enabled since there is no activity nor benefit to the stakeholders. I do understand Scott Wilder as the PSnet chair should provide the final call on this however he is currently on vacation.
>
> Best,
>
> **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@boston.gov

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> >
> > The PSnet firewalls allow the SharePoint service to be accessed from authenticated users coming from the Internet. However, we see no evidence that this service is being used, yet it is a magnet for "door knocking" attacks, some of which have been quite intense lately. While it does not appear anything is getting through, we do not have the ability to investigate what is going on inside the SharePoint system itself.
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> >
> > Thank you...
> > ...Chuck
> >
> > --
> >
> > Chuck Wade, Principal
> > Interisle Consulting Group
> > +1 508 435-3050 Office

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

Unable to Process

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, January 29, 2019 7:51 AM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>
Subject: Security Camera Strategy Meeting
Attachment(s): "Security Camera Strategy Meeting_1-30-19.docx"

Hi all - attached is the status report for tomorrow's meeting. Please note, if the weather is too bad out tomorrow morning, then just plan to dial in. :)

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Scott Wilder <swilder@brooklinema.gov>
Sent: Tuesday, January 29, 2019 3:19 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: PSnet: Recommendation to disable Internet access to SharePoint system

All,

I concur, with shutting down the service for the time being.
Thank you
Scott

Sent via the Samsung Galaxy S8, an AT&T 4G LTE smartphone

-------- Original message --------
From: Brenda Jones <brenda.jones@boston.gov>
Date: 1/28/19 4:05 PM (GMT-04:00)
To: Chuck Wade <Chuck@interisle.net>
Cc: Sarah Plowman <Sarah.Plowman@boston.gov>, Scott Wilder <swilder@brooklinema.gov>, Eric Johnson <EJohnson@lan-tel.com>, Colin Strutt <Colin@interisle.net>, Fred Goldstein <Fred@interisle.net>
Subject: Re: PSnet: Recommendation to disable Internet access to SharePoint system

Chuck,

Thank you for this update. On behalf of OEM, I agree that there is no reason to keep SharePoint enabled since there is no activity nor benefit to the stakeholders. I do understand Scott Wilder as the PSnet chair should provide the final call on this however he is currently on vacation.

Best,

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@boston.gov

On Mon, Jan 28, 2019 at 1:46 PM Chuck Wade <Chuck@interisle.net> wrote:

> Sarah, Brenda, Scott,
>
> The PSnet firewalls allow the SharePoint service to be accessed from authenticated users coming from the Internet. However, we see no evidence that this service is being used, yet it is a magnet for "door knocking" attacks, some of which have been quite intense lately. While it does not appear anything is getting through, we do not have the ability to investigate what is going on inside the SharePoint system itself.
>
> We recommend disabling Internet access to this system for the time being. This can be re-enabled at any time, should there be users who want to use this service. This recommendation is based on the principle of minimizing exposures where they serve no operational purpose.
>
> Please let us know if there are any reasons to keep Internet access available at this time.
>
> Thank you...
> ...Chuck
>
> --
>
> _____
> Chuck Wade, Principal

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

The substance of this message, including any attachments, may be confidential, legally privileged and/or exempt from disclosure pursuant to Massachusetts law. It is intended solely for the addressee. If you received this in error, please contact the sender and delete the material from any computer.

From: Colin Strutt <colin@interisle.net>
Sent: Tuesday, January 29, 2019 3:30 PM EST
To: Scott Wilder < 'Scott Wilder' <swilder@brooklinema.gov>>; Brenda Jones < 'Brenda Jones' <brenda.jones@boston.gov>>; Chuck Wade < 'Chuck Wade' <Chuck@interisle.net>>
CC: Sarah Plowman < 'Sarah Plowman' <Sarah.Plowman@boston.gov>>; Eric Johnson < 'Eric Johnson' <EJohnson@lan-tel.com>>; Fred Goldstein < 'Fred Goldstein' <Fred@interisle.net>>; Colin Strutt < 'Colin Strutt' <colin@interisle.net>>
Subject: RE: PSnet: Recommendation to disable Internet access to SharePoint system

I have now disabled Internet access to the PSnet SharePoint Server.
Access to SharePoint from within PSnet is not affected.

Regards,
colin

From: Scott Wilder <swilder@brooklinema.gov>
Sent: Tuesday, January 29, 2019 3:20 PM
To: Brenda Jones <brenda.jones@boston.gov>; Chuck Wade <Chuck@interisle.net>
Cc: Sarah Plowman <Sarah.Plowman@boston.gov>; Eric Johnson <EJohnson@lan-tel.com>; Colin Strutt <Colin@interisle.net>; Fred Goldstein <Fred@interisle.net>
Subject: Re: PSnet: Recommendation to disable Internet access to SharePoint system

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Date: 1/28/19 4:05 PM (GMT-04:00)
To: Chuck Wade <Chuck@interisle.net>
Cc: Sarah Plowman <Sarah.Plowman@boston.gov>, Scott Wilder <swilder@brooklinema.gov>, Eric Johnson <EJohnson@lan-tel.com>, Colin Strutt <Colin@interisle.net>, Fred Goldstein <Fred@interisle.net>
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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@boston.gov

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We recommend disabling Internet access to this system for the time being. This can be re-enabled at any time, should there be users who want to use this service. This recommendation is based on the principle of minimizing exposures where they serve no operational purpose.

Please let us know if there are any reasons to keep Internet access available at this time.

Thank you...
...Chuck

--

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

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, January 30, 2019 5:14 PM EST
To: Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Danielle Gavin <Danielle Gavin <dgavin@lan-tel.com>>; sarah.plowman@boston.gov; brenda.jones@boston.gov
Subject: Cambridge Courthouse

The courthouse has been running on generator . They are probably going to shut off at some point. If this happens cameras associated with 222 Berkley will be affected .
This could affect an event next week since Boylston St connects to this hub .
Jim and Greg will be working on a permanent or temp site tomorrow , so the cameras will stay up if they decide to shut down.

Will keep you posted .

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘□

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From: Louis Madeira <louis.madeira@pd.boston.gov>
Sent: Wednesday, January 30, 2019 6:52 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Danielle Gavin <Danielle Gavin <dgavin@lan-tel.com>>; sarah.plowman@boston.gov; brenda.jones@boston.gov
Subject: Re: Cambridge Courthouse

Thank you for the update.

Police Officer Lou Madeira
Boston Police Department
Bureau of Administration and Technologies
Information Services Group Telecommunications Division

On Jan 30, 2019, at 5:14 PM, Eric Johnson <ejohnson@lan-tel.com> wrote:

> The courthouse has been running on generator . They are probably going to shut off at some point. If this happens cameras associated with 222 Berkley will be affected .
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>
> Will keep you posted .
>
> Eric
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
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> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, January 31, 2019 10:39 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>
Subject: Re: Cambridge Courthouse

Thanks, Eric. I'm copying Dave Mahoney & Chief Reardon - I didn't see him on your list but perhaps they've already been briefed. Just want to keep them in the loop because I know they're working on a project right now involving a long-term relocation of that PSnet equipment up there in the Courthouse. This would affect their plans I would think.

On Wed, Jan 30, 2019 at 5:14 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

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> This could affect an event next week since Boylston St connects to this hub .
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>
> Will keep you posted .
>
> Eric
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
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> ejohnson@lan-tel.com ☘
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, January 31, 2019 1:43 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>
Subject: Re: Cambridge Courthouse

Yes they are working with chuck and we will be doing this . The work we are doing is temp to keep cams in place and functioning

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Jan 31, 2019, at 10:40 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Thanks, Eric. I'm copying Dave Mahoney & Chief Reardon - I didn't see him on your list but perhaps they've already been briefed. Just want to keep them in the loop because I know they're working on a project right now involving a long-term relocation of that PSnet equipment up there in the Courthouse. This would affect their plans I would think.
>
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>> Will keep you posted .

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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To: Louis Madeira <Louis Madeira <louis.madeira@pd.boston.gov>>
CC: Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Danielle Gavin <Danielle Gavin <dgavin@lan-tel.com>>; sarah.plowman@boston.gov; brenda.jones@boston.gov; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>; DAMahoney@CambridgeFire.org
Subject: Re: Cambridge Courthouse

We have temporarily made a link from 222 Berkley to Revere hotel to keep the BPD Boylston St area cameras functioning . We will continue to work for permanent solution when the new hubs are ready for network traffic . Everything should be switched over and back online on 20 minutes

Thanks

Respectfully,

Eric Johnson
Project Manager
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Thank you for the update.

Police Officer Lou Madeira
Boston Police Department
Bureau of Administration and Technologies

Information Services Group Telecommunications Division

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Sent: Thursday, January 31, 2019 4:09 PM EST
To: Louis Madeira <Louis Madeira <louis.madeira@pd.boston.gov>>
CC: Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Danielle Gavin <Danielle Gavin <dgavin@lan-tel.com>>; sarah.plowman@boston.gov; brenda.jones@boston.gov; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Gerry Reardon <Gerry Reardon <Greardon@cambridgefire.org>>; DAMahoney@CambridgeFire.org
Subject: Re: Cambridge Courthouse

We have completed our work and all cameras affected by this link are back on line

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

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Boston Police Department
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 01, 2019 5:44 AM EST
To: sarah.plowman@boston.gov; brenda.jones@boston.gov; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski
Subject: Fwd: PSnet: Proposal to perform graceful shutdown of PSnet systems at Courthouse site

Just an FYI

Looks like we made it in time .

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Reardon, Gerry" <GReardon@CambridgeFire.Org>
Date: January 31, 2019 at 10:11:36 PM EST
To: Chuck Wade <Chuck@Interisle.net>
Cc: "Mahoney, David A" <DAMahoney@CambridgeFire.Org>, "Heffernan, Walter" <WHeffernan@Cambridge911.org>, Eric Johnson <EJohnson@LAN-TEL.com>, Jim Rex <JRex@LAN-TEL.com>, Fred Goldstein <Fred@Interisle.net>, Colin Strutt <Colin@Interisle.net>, Ellison Patterson <Ellison1@Skywave.org>, Glenn Turner <GTurner@Skywave.org>
Subject: Re: PSnet: Proposal to perform graceful shutdown of PSnet systems at Courthouse site

Generator at the Courthouse died about 30 minutes ago, unknown cause.

Great job getting our traffic on alternate paths.

Gerald R. Reardon
Senior Advisor
Cambridge Public Safety
491 Broadway
Cambridge Ma 02138

B 617-349-4974

greardon@cambridgefire.org
greardon@cambridgepolice.org
greardon@cambridge911.org

On Jan 31, 2019, at 17:00, Chuck Wade <Chuck@Interisle.net> wrote:

> Folks,
>
> All microwave links out of the Courthouse site have been shut down. The only path to this site is via City fiber. I'm keeping this up so we can get to the PSnet equipment for management purposes, but there is no traffic traversing this site anymore.
>
> The power can be dropped at any time.
>
> ...Chuck
>
> Chuck Wade, Principal
> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net
>
> On 1/31/19 4:36 PM, Chuck Wade wrote:
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> >
> > Camera traffic also seems to be unaffected. Here the big concern has been with Somerville cameras that are mostly backhauled through Burton Faulkner (25 Highland). However, I understand that Somerville's video servers are seeing their cameras.
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> > I plan to shut down the DragonWave microwave link between Courthouse and Schroeder Plaza by 17:00. If anyone does notice any problems, please let me know immediately.
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> > After 17:00, I believe that the Courthouse site can be safely shut down (for good).
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> 2. Disable the BridgeWave connection to the Healy Facility. This microwave link is misaligned, so it is not really very useful, and the primary path from Cambridge to the Courthouse site is via City fiber. In other words, this is not going to have any impact.
> 3. Increase routing metrics for the DragonWave microwave connection to Burton Faulkner in Somerville to force traffic to go via the link to Whidden Hospital. There is about 11 Mbps of continuous traffic currently going from Burton Faulkner to the Courthouse. Aside: the Whidden connection will be the only link into Burton Faulkner after the Courthouse is shut down.
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> Obviously, we are going to monitor the situation carefully, and make sure that traffic does get rerouted as expected. Once we have confirmed that the alternative routes are handling the increased traffic loads, we will then shut down the two DragonWave links at the Courthouse site, and if there are no problems, we can then give the all clear to turn off the generator.
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> I will start with the first two steps above within the next 15 minutes (by 14:45), and then proceed to step 3 by 15:00. We will then monitor status for about an hour. Assuming no problems, we will then initiate step 4 around 16:00, and monitor for at least an hour.
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> Please let me know ASAP if you have any concerns, or suggestions for a different approach. We are living on borrowed time with the Courthouse site, so I think it is prudent to initiate a graceful shutdown expeditiously.
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 01, 2019 9:30 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: brenda.jones@boston.gov; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Scott Torressen <Scott Torressen <storressen@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; matthew.spillane@pd.boston.gov; kevin.cullen@pd.boston.gov; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>
Subject: Re: PSnet: Proposal to perform graceful shutdown of PSnet systems at Courthouse site

Well done, all. Thanks for your hard work on this!

On Fri, Feb 1, 2019 at 5:45 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Just an FYI
>
> Looks like we made it in time .
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
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> http://linkedin.com/in/eric-johnson-9702a62b.
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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 05, 2019 9:47 AM EST
To: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>
Subject: Re: Whidden HVAC quote update details

Hi Eric,

Just checking in to see - has the HVAC equipment been installed in the Whidden yet and the PSnet equipment moved indoors? If so, can you please send me an invoice. If not, can you please advise what day this will take place?

Thanks,
Sarah

On Fri, Dec 14, 2018 at 11:17 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Hello Kelly & Eric,
>
> Just following up on the Whidden HVAC project. I have a copy of the PO attached to give you (LAN-TEL also should be automatically emailed a copy). Thank you for your patience and partnership on this project. I've also copied Sgt. Jeff Gilmore of Everett PD who can assist in coordinating implementation dates/details/access as needed.
>
> Once the work is completed, please email me a copy of the invoice so that I can submit it for payment.
>
> Thank you,
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> On Thu, Oct 18, 2018 at 11:46 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:
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> > Thanks, Kelly!
> >
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> >
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> > >
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> > >
> > > Kelly
> > >
> > > **From:** Sarah Plowman <sarah.plowman@boston.gov>
> > > **Sent:** Thursday, October 18, 2018 11:03 AM
> > > **To:** Kelly Cinelli <kcinelli@lan-tel.com>
> > > **Subject:** Fwd: Whidden HVAC quote update details
> > >
> > > Hi Kelly,
> > >
> > > See below for the email with the requested changes, and the May 9 quote we were referring to. Again, the most recent update is almost right -- just needs the itemized cost for those 4 bullet points.
> > >
> > > Thanks again,
> > >
> > > Sarah
> > >
> > > ---------- Forwarded message ---------
> > > From: **Sarah Plowman** <sarah.plowman@boston.gov>
> > > Date: Tue, Sep 25, 2018 at 10:29 AM
> > > Subject: Whidden HVAC quote update details
> > > To: Eric Johnson <ejohnson@lan-tel.com>
> > > Cc: Brenda Jones <brenda.jones@boston.gov>

Hi Eric,

Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:

- Update the date to be current
- Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.
- Update section header on page 2 to read "New air conditioning unit equipment" since the labor portion will also roll into PSnet contract.
- Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
- Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
- Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.

Thank you so much!

Sarah

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

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Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, February 05, 2019 9:59 AM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>; Jeffrey Gilmore <Jeffrey Gilmore <jeffrey.gilmore@cityofeverett.org>>
Subject: Re: Whidden HVAC quote update details

We were waiting for electrical to be finished

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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> **Project Manager**
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> > ---------- Forwarded message ---------
> > From: **Sarah Plowman** <sarah.plowman@boston.gov>
> > Date: Tue, Sep 25, 2018 at 10:29 AM
> > Subject: Whidden HVAC quote update details
> > To: Eric Johnson <ejohnson@lan-tel.com>
> > Cc: Brenda Jones <brenda.jones@boston.gov>
> >
> > Hi Eric,
> >
> > Thanks again for chatting with Brenda and me on the phone yesterday about the Whidden HVAC project. Per our conversation, I've attached your May 9 quote. The updates should be as follows:
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> > - Update the date to be current
> > - Remove section on page 1 entitled "Labor & Equipment to move from outside cabinet to new equipment rack" since that will roll into the PSnet contract now in place.
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> > - Update Scope of work on page 2 to remove references to labor and work performed and any "install" language.
> > - Update bolded total at the bottom to be just one line that reads "Equipment Total: $25,522.00."
> > - Update "Qualifications" section to remove any labor-related language, and only to keep language related to HVAC equipment procurement.
> >
> > Thank you so much!

Sarah

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974

--

Sarah Plowman

Regional Planner

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Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, February 05, 2019 1:51 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Whidden HVAC quote update details

Jeff was i with him last Wednesday and that's when he told me . I will follow up

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Feb 5, 2019, at 1:44 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Thanks for the update. Are you in contact with folks over at the Whidden about that to know when it is all set?

On Tue, Feb 5, 2019 at 9:59 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> We were waiting for electrical to be finished
>
> Respectfully,
>
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>

www.lan-tel.com

On Feb 5, 2019, at 9:48 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Just checking in to see - has the HVAC equipment been installed in the Whidden yet and the PSnet equipment moved indoors? If so, can you please send me an invoice. If not, can you please advise what day this will take place?

Thanks,
Sarah

On Fri, Dec 14, 2018 at 11:17 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Hello Kelly & Eric,
>
> Just following up on the Whidden HVAC project. I have a copy of the PO attached to give you (LAN-TEL also should be automatically emailed a copy). Thank you for your patience and partnership on this project. I've also copied Sgt. Jeff Gilmore of Everett PD who can assist in coordinating implementation dates/details/access as needed.
>
> Once the work is completed, please email me a copy of the invoice so that I can submit it for payment.
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> Thank you,
> Sarah
>
> On Thu, Oct 18, 2018 at 11:46 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:
>
> > Thanks, Kelly!
> >
> > On Thu, Oct 18, 2018 at 11:23 AM Kelly Cinelli <kcinelli@lan-tel.com> wrote:
> >
> > > HI Sarah – Thank you so much! The attached should be accurate now – if you need anything else, please let me know.
> > >
> > > Thank you,
> > >
> > > Kelly

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, October 18, 2018 11:03 AM
To: Kelly Cinelli <kcinelli@lan-tel.com>
Subject: Fwd: Whidden HVAC quote update details

Hi Kelly,

See below for the email with the requested changes, and the May 9 quote we were referring to. Again, the most recent update is almost right -- just needs the itemized cost for those 4 bullet points.

Thanks again,

Sarah

---------- Forwarded message ---------
From: **Sarah Plowman** <sarah.plowman@boston.gov>
Date: Tue, Sep 25, 2018 at 10:29 AM
Subject: Whidden HVAC quote update details
To: Eric Johnson <ejohnson@lan-tel.com>
Cc: Brenda Jones <brenda.jones@boston.gov>

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Sarah

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 05, 2019 1:52 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Whidden HVAC quote update details

That'd be great. Thanks!

On Tue, Feb 5, 2019 at 1:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Jeff was i with him last Wednesday and that's when he told me . I will follow up
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> Respectfully,
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> Eric Johnson
> **Project Manager**
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> http://linkedin.com/in/eric-johnson-9702a62b.
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> >
> > ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

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Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 05, 2019 4:45 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
BCC: Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Bryan Hopkins <Bryan Hopkins <bhopkins@comm-tract.com>>; Frank Hunnewell <Frank Hunnewell <FHunnewell@comm-tract.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; bfazio@sullymac.com <bfazio@sullymac.com>
Subject: Notification of COB Bid Event # EV00006436 (MBHSR Whidden Hospital Aerial Fiber Run)

Hello,

Just reaching out because I'm overseeing the requisition and PO process for a new project: the MBHSR Whidden Hospital Aerial Fiber Run.

We've started the written quote contract (WQC) process via posting a bid event. The WQC bid event **will open tomorrow, Wednesday, February 6 at 9am and will close Monday, February 18 at 5pm** with a site walk-through scheduled for this coming Monday, February 11. You should have already received an email with further details to that effect from our online system, but in case not, here's a few directions for your next steps if you should be interested in learning more and responding:

- During the window when the event is open, go to https://procurement.cityofboston.gov/psp/prdsp/SUPPLIER/ERP/h?tab=DEFAULT and you'll find the event (ID EV00006436).
- Make sure that your company is registered as a sourcing bidder (link on that website).
- Log in, find the event, and apply.

If you have any questions, let me know.
Thanks so much,
Sarah

--
Sarah Plowman
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 05, 2019 4:49 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
BCC: Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Bryan Hopkins <Bryan Hopkins <bhopkins@comm-tract.com>>; Frank Hunnewell <Frank Hunnewell <FHunnewell@comm-tract.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; bfazio@sullymac.com <bfazio@sullymac.com>
Subject: Notification of COB Bid Event # EV00006437 (Revere Radio Tower Aerial Fiber Run)

Hello,

Just reaching out because I'm overseeing the requisition and PO process for a new project: the MBHSR Revere Radio Tower Aerial Fiber Run.

We've started the written quote contract (WQC) process via posting a bid event. The WQC bid event **will open tomorrow, Wednesday, February 6 at 9am and will close Monday, February 18 at 5pm** with a site walk-through scheduled for this coming Monday, February 11. You should have already received an email with further details to that effect from our online system, but in case not, here's a few directions for your next steps if you should be interested in learning more and responding:

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If you have any questions, let me know.
Thanks so much,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, February 07, 2019 9:54 AM EST
To: sarah.plowman@boston.gov
CC: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Fw: Briefcam-UASI Maintenance Renewal
Attachment(s): "Sales Order Form LAN-TEL Communications.pdf","image001.jpg"

Sarah:
Good Morning please find the renewal for BriefCam enclosed in the email.

Please call me if you have any questions

Thanks !
Eric

From: Kelly Cinelli
Sent: Thursday, February 7, 2019 9:11 AM
To: Eric Johnson
Subject: Briefcam-UASI contract Kelly

Attached

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
FOLLOW US: Twitter | LinkedIn | Facebook

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From: Chuck Wade <Chuck@Interisle.net>
Sent: Thursday, February 07, 2019 3:04 PM EST
To: Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>; David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>; Walter Heffernan <Walter Heffernan <WHeffernan@Cambridge911.org>>; Alexander Chute <Alexander Chute <AChute@Massport.com>>
CC: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: PSnet: Status update on switch replacement at 300 Bent St
Attachment(s): "smime.p7s"

Folks,

This is a followup on the issue we ran into yesterday when the PSnet Cisco 3550-12G switch in the Northern Crossroads (NoX) suite at 300 Bent Street failed. This has now been replaced with a pair of Cisco 3750G-12S switches that provide a redundant implementation. Everything is back up as of 11:32 this morning, and traffic is again flowing via this path, including the MetroFire connection to Massport's public safety network.

The rest of this memo just provides some background and reviews the approaches taken to resolve the problem.

The original 3550-12G switch failed in such a manner that it did cause some significant routing headaches within the PSnet Backbone. However, the actual impact on services operating over PSnet was not terribly serious, and most applications and their users were unaffected. Probably the most serious impact was on PSnet network management, when our systems at the Cambridge Healy Facility lost the ability to communicate with many devices throughout the network. This, in turn, caused a lot of alerts to go out to some of the people who receive notifications implying serious outages, when in reality, most things were working just fine. In other words, a lot of false alarms were sent.

For the record, the routing problems started at 05:18 yesterday morning, and by 06:52, I had figured out where the problem was (though not what the cause was, yet), and had stopped most of the problems by shutting down the connection to the PSnet switch at 300 Bent Street. While most traffic that had been flowing through 300 Bent Street was re-routed via alternative paths in PSnet, the two VLANs that connect MetroFire to Massport have a fixed topology at this time, and so they became disconnected. After I got a better handle on the situation, I was able to disable only the VLANs carrying routing information, so that by later yesterday morning, the MetroFire traffic was restored.

Further analysis of the problem with routing via the 300 Bent path kept coming up with "that-can't-be-happening" observations. This generally means that something is broken, and the thing that seemed broken was the switch at 300 Bent. However, this switch was one of the first switches deployed in PSnet back in May of 2010, and it was running on an older version of firmware. It seemed likely that updating the firmware on this switch might resolve the problem, and the process of updating the firmware would flush out any other issues. At 15:30, this switch was rebooted to update the firmware, and it never came back up. On the other hand, this essentially confirmed that this switch truly was broken. Unfortunately, this also shut down the MetroFire connection to Massport again.

> Aside: We have developed plans to put in place some additional fiber paths interconnecting 300 Bent Street with the City of Cambridge Network, as well as another diversely routed path between 300 Bent Street and 1 Summer in Boston. With redundant switches now at both 300 Bent and 1 Summer, this should become a very reliable part of the backbone, though even the current arrangement has had only a couple of problems over the past 12 years. It is worth noting that this was the first inter-municipal path in PSnet that was brought up in January of 2007.

With the 300 Bent switch down for the count, we then started work to prepare a replacement pair of switches, this time using the new Cisco 3750G-12S models. Arrangements were made with the Northern Crossroads staff and MIT to gain access in order to replace the failed switch. At 10:00 this morning, I arrived at the NoX suite in 300 Bent, and we physically replaced the failed switch with the new pair. By 11:30, installation and testing was complete, and traffic was again flowing normally through the 300 Bent site. This also restored the MetroFire connection to Massport.

I want to thank the NoX/MIT staff who responded immediately to my request to gain access to 300 Bent, and who went out of their way to assist us in replacing the failed switch and re-patching it into the fiber links. Northern Crossroads (ref. www.nox.org), along with Harvard and MIT, helped formulate the original concepts behind PSnet, and have supported this project throughout. They allowed PSnet to locate equipment in their suites at the two major carrier hotels in New England (300 Bent and 1 Summer), and they loaned fiber to the project to connect the City of Cambridge fiber network into 300 Bent along with a pair of fibers to get from 300 Bent to 1 Summer. They even gave us the first two Cisco switches deployed in PSnet, both of which are still operating today. These good friends have been with us from the very beginning, and we continue to enjoy a mutually beneficial relationship with 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: Thursday, February 07, 2019 4:09 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>; David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>; Walter Heffernan <Walter Heffernan <WHeffernan@Cambridge911.org>>; Alexander Chute <Alexander Chute <AChute@Massport.com>>
CC: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: RE: PSnet: Status update on switch replacement at 300 Bent St

Thanks for the update Chuck, nice trouble shooting and work done by all involved ,
Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Thursday, February 7, 2019 3:04 PM
To: Gerald Reardon <GReardon@CambridgeFire.org>; David Mahoney <DAMahoney@CambridgeFire.org>; Walter Heffernan <WHeffernan@Cambridge911.org>; Alexander Chute <AChute@Massport.com>
Cc: Scott Wilder <swilder@brooklinema.gov>; Sarah Plowman <Sarah.Plowman@Boston.gov>; Eric Johnson <EJohnson@LAN-TEL.com>; Ellison Patterson <Ellison1@Skywave.org>; Glenn Turner <GTurner@Skywave.org>; Colin Strutt <Colin@Interisle.net>; Fred Goldstein <Fred@Interisle.net>
Subject: PSnet: Status update on switch replacement at 300 Bent St
Importance: High

Folks,

This is a followup on the issue we ran into yesterday when the PSnet Cisco 3550-12G switch in the Northern Crossroads (NoX) suite at 300 Bent Street failed. This has now been replaced with a pair of Cisco 3750G-12S switches that provide a redundant implementation. Everything is back up as of 11:32 this morning, and traffic is again flowing via this path, including the MetroFire connection to Massport's public safety network.

The rest of this memo just provides some background and reviews the approaches taken to resolve the problem.

The original 3550-12G switch failed in such a manner that it did cause some significant routing headaches within the PSnet Backbone. However, the actual impact on services operating over PSnet was not terribly serious, and most applications and their users were unaffected. Probably the most serious impact was on PSnet network management, when our systems at the Cambridge Healy Facility lost the ability to communicate with many devices throughout the network. This, in turn, caused a lot of alerts to go out to some of the people who receive notifications implying serious outages, when in reality, most things were working just fine. In other words, a lot of false alarms were sent.

For the record, the routing problems started at 05:18 yesterday morning, and by 06:52, I had figured out where the problem was (though not what the cause was, yet), and had stopped most of the problems by shutting down the connection to the PSnet switch at 300 Bent Street. While most traffic that had been flowing through 300 Bent Street was re-routed via alternative paths in PSnet, the two VLANs that connect MetroFire to Massport have a fixed topology at this time, and so they became disconnected. After I got a better handle on the situation, I was able to disable only the VLANs carrying routing information, so that by later yesterday morning, the MetroFire traffic was restored.

Further analysis of the problem with routing via the 300 Bent path kept coming up with "that-can't-be-happening" observations. This generally means that something is broken, and the thing that seemed broken was the switch at 300 Bent. However, this switch was one of the first switches deployed in PSnet back in May of 2010, and it was running on an older version of firmware. It seemed likely that updating the firmware on this switch might resolve the problem, and the process of updating the firmware would flush out any other issues. At 15:30, this switch was rebooted to update the firmware, and it never came back up. On the other hand, this essentially confirmed that this switch truly was broken. Unfortunately, this also shut down the MetroFire connection to Massport again.

> Aside: We have developed plans to put in place some additional fiber paths interconnecting 300 Bent Street with the City of Cambridge Network, as well as another diversely routed path between 300 Bent Street and 1 Summer in Boston. With redundant switches now at both 300 Bent and 1 Summer, this should become a very reliable part of the backbone, though even the current arrangement has had only a couple of problems over the past 12 years. It is worth noting that this was the first inter-municipal path in PSnet that was brought up in January of 2007.

With the 300 Bent switch down for the count, we then started work to prepare a replacement pair of switches, this time using the new Cisco 3750G-12S models. Arrangements were made with the Northern Crossroads staff and MIT to gain access in order to replace the failed switch. At 10:00 this morning, I arrived at the NoX suite in 300 Bent, and we physically replaced the failed switch with the new pair. By 11:30, installation and testing was complete, and traffic was again flowing normally through the 300 Bent site. This also restored the MetroFire connection to Massport.

I want to thank the NoX/MIT staff who responded immediately to my request to gain access to 300 Bent, and who went out of their way to assist us in replacing the failed switch and re-patching it into the fiber links. Northern Crossroads (ref. www.nox.org), along with Harvard and MIT, helped formulate the original concepts behind PSnet, and have supported this project throughout. They allowed PSnet

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Chuck Wade, Principal
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From: Reardon, Gerry <GReardon@CambridgeFire.Org>
Sent: Thursday, February 07, 2019 5:52 PM EST
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Mahoney, David A; Heffernan, Walter; Alexander Chute <Alexander Chute <AChute@Massport.com>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: Re: PSnet: Status update on switch replacement at 300 Bent St

Nice work Chuck.

Thank you

Gerald R. Reardon
Senior Advisor
Cambridge Public Safety
491 Broadway
Cambridge Ma 02138

B 617-349-4974

greardon@cambridgefire.org
greardon@cambridgepolice.org
greardon@cambridge911.org

On Feb 7, 2019, at 16:09, Scott Wilder <swilder@brooklinema.gov> wrote:

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From: Mahoney, David A <DAMahoney@CambridgeFire.Org>
Sent: Thursday, February 07, 2019 7:15 PM EST
To: Reardon, Gerry; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Heffernan, Walter; Alexander Chute <Alexander Chute <AChute@Massport.com>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: Re: PSnet: Status update on switch replacement at 300 Bent St

Thanks Chuck,
Pro ambulance is still reporting issues with their 7100, could this still be related? They coukd also be having issues because of the upgrade ongoing.

Thanks,
Dave

From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, February 11, 2019 2:18 PM EST
To: Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>; David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>; Walter Heffernan <Walter Heffernan <WHeffernan@Cambridge911.org>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Michael Kiely <Michael Kiely <MKiely@Police.Somerville.MA.US>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>
CC: Jim Rex <Jim Rex <JRex@LAN-TEL.com>>; Greg Washburn <Greg Washburn <GWashburn@LAN-TEL.com>>; Mark Savage <Mark Savage <MSavage@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>>; John Surette <John Surette <John.Surette@PD.Boston.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: PSnet: Proposal to perform graceful shutdown of PSnet systems at Courthouse site
Attachment(s): "smime.p7s"

Folks,

I am just confirming that I have followed through on my earlier plan to actually turn off power to the microwave radios at the Cambridge former Courthouse site. Originally, I had thought that the generator being shut off would take care of this, but the site's standby generator has been running for another week, now.

My reason for actually turning off the power to these radios is so that we won't be adding to the RF "noise" in our region, and so that we could retire the FCC licenses, if deemed appropriate. However, let's decide what we're doing with these licenses before actually taking any actions.

For the record, here are the radios that have been turned off:

Microwave Link	Radio	Frequency (CamCtH Tx, Rx)	CamCtH Call Sign	Remote Call Sign
CamCtH<=>CamPS	BW	60 GHz, unlicensed	n/a	
CamCtH<=>SomPD	BW	80 GHz, lightly licensed	WQIY917	WQIY917
CamCtH<=>SomBF	DW	19.475, 17.915 GHz	WQJG686	WQJG683
CamCtH<=>BosPDHq	DW	19.475, 17.915 GHz	WQJG686	WQJG684
CamCtH<=>222Berk	NB5	5 GHz, unlicensed	n/a	

Abbreviations Key:

DW = DragonWave Horizon Compact
BW = BridgeWave
NB5 = Ubiquiti NanoBridge 5 GHz
CamCtH = Cambridge [former] Courthouse at 40 Thorndike Street
CamPS = Cambridge Healy Public Safety Facility at 125 6th Street
BosPDHq = Boston Police Headquarters at Schroeder Plaza
SomPD = Somerville Police Headquarters in Union Square
SomBF = Burton Faulkner Apartments at 25 Highland Street, Somerville
222Berk = 222 Berkley Street, Boston

Some additional points worth noting:

Since the Courthouse site has been on City of Cambridge fiber for at least eight years, now, the BridgeWave 60 GHz link to the Healy Facility has been a backup (which we have needed at various times). However, this 60 GHz link has been performing so poorly recently that we had already set routing metrics very high to prevent traffic flowing over this link unless the fiber link were to fail. With the new Millers River and Avalon sites coming online, Cambridge no longer has any need to reach the Courthouse site.

The CamCtH<=>SomPD BridgeWave 80 GHz link has been down for a few months due to failure of the radios and planned decommissioning of the Courthouse site. The radio at Somerville PD can be turned off, but we don't have the ability to do this remotely. It is worth noting that there is now a second microwave link into Somerville PD from Millers River Apartments in Cambridge (15 Lambert St.) Note that there is a single regional license for PSnet use of the 80 GHz band.

I have not remotely turned off the DragonWave radio at Burton Faulkner, since we currently have only one other microwave connection to this site that goes to Whidden Hospital. If I did turn off this radio, and we lost the link from Whidden, then we would have no alternative path to Burton Faulkner, even if the Courthouse site had power. Getting a second link into Burton Faulkner needs to be a priority, or we should decommission this site and replace it with other sites (preferably on fiber). Most of Somerville's cameras currently traverse this site.

The DragonWave radio at Boston Schroeder Plaza has been remotely turned off. Currently, the only other PSnet microwave

link into this site is from NE Baptist Hospital, which in turn connects to Brookline Town Hall. There is another link from Brookline Town Hall to Tang Hall on the western end of the MIT campus. Brookline, Cambridge, and Somerville have dependencies on this path through Brookline Town Hall for secondary connections to the MCC7500 Console systems. We also have fiber connections into Schroeder Plaza.

LAN-TEL has re-purposed the 5 GHz radio at 222 Berkley to reach another site in Boston. Hence, there is no need to power down the Boston end. Having the Courthouse end powered down does help with 5 GHz band interference. When the MBTA is able to shut down their equipment at the Courthouse, that will be a more significant reduction in unlicensed band interference.

Obviously, loss of the Courthouse site has diminished the backbone resilience for PSnet. However, we should shortly have the new Avalon North Point site (1 Leighton St.) up, and we will be able to activate the new MNI microwave link to Whidden Hospital. With the Avalon site on City fiber, this new path to Whidden Hospital will restore a good measure of resilience to the PSnet backbone.

Let me know if there are any concerns or questions with respect to the decommissioning of the PSnet Courthouse site.

...Chuck

Chuck Wade, Principal
Interisle Consulting Group
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On 1/31/19 5:00 PM, Chuck Wade wrote:

> Folks,
>
> All microwave links out of the Courthouse site have been shut down. The only path to this site is via City fiber. I'm keeping this up so we can get to the PSnet equipment for management purposes, but there is no traffic traversing this site anymore.
>
> The power can be dropped at any time.
>
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> On 1/31/19 4:36 PM, Chuck Wade wrote:
>
> > Folks,
> >
> > At this point, the only two connections out of the Cambridge Courthouse site are still live are the fiber from Healy, and the DragonWave microwave link to Schroeder Plaza. However, routing has been set high enough that there is barely any traffic going over the DragonWave link to Schroeder.
> >
> > So far, everything is looking good. All Motorola console systems have maintained their primary and secondary paths to the Zone 2 Core at Schroeder Plaza, so traffic has been re-routed away from the Courthouse connection. The Motorola CEN and other P25 traffic, as well as the IPmux-24 traffic between Schroeder and Cambridge Fire is flowing normally.
> >
> > Camera traffic also seems to be unaffected. Here the big concern has been with Somerville cameras that are mostly backhauled through Burton Faulkner (25 Highland). However, I understand that Somerville's video servers are seeing their cameras.
> >
> > I plan to shut down the DragonWave microwave link between Courthouse and Schroeder Plaza by 17:00. If anyone does notice any problems, please let me know immediately.
> >
> > After 17:00, I believe that the Courthouse site can be safely shut down (for good).
> >
> > ...Chuck
> >
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On 1/31/19 2:38 PM, Chuck Wade wrote:

> Folks,
>
> LAN-TEL was able to establish another connection to the 222 Berkley Street site in Boston from one of the other Boston sites. We were not sure this would work, given the density of buildings in the area, but we lucked out (that, and the LAN-TEL team is good!). This is not a long-term solution, but it should be adequate for the short term, and if the Pats win the Super Bowl, we'll be able to support camera coverage next week for the parade. (I hope we haven't jinxed them.)
>
> With this replacement link in place, we can now handle a shutdown of the former Courthouse site. I would like to propose a graceful shutdown this afternoon, rather than just turning off the standby generator. I recommend the following steps:
>
> 1. Disable the connection to the microwave radio that shoots to 222 Berkley. This will confirm that we haven't missed something over in Boston, since LAN-TEL is having to re-address the CIMS equipment.
> 2. Disable the BridgeWave connection to the Healy Facility. This microwave link is misaligned, so it is not really very useful, and the primary path from Cambridge to the Courthouse site is via City fiber. In other words, this is not going to have any impact.
> 3. Increase routing metrics for the DragonWave microwave connection to Burton Faulkner in Somerville to force traffic to go via the link to Whidden Hospital. There is about 11 Mbps of continuous traffic currently going from Burton Faulkner to the Courthouse. Aside: the Whidden connection will be the only link into Burton Faulkner after the Courthouse is shut down.
> 4. Increase routing metrics for the DragonWave microwave connection to Schroeder Plaza in order to force all traffic onto alternative paths. This is the most important link out of the Courthouse site today, since it is carrying about 60 Mbps of continuous traffic comprising camera feeds and secondary connections for P25 radio systems to the Zone 2 Core.
>
> Obviously, we are going to monitor the situation carefully, and make sure that traffic does get rerouted as expected. Once we have confirmed that the alternative routes are handling the increased traffic loads, we will then shut down the two DragonWave links at the Courthouse site, and if there are no problems, we can then give the all clear to turn off the generator.
>
> I will start with the first two steps above within the next 15 minutes (by 14:45), and then proceed to step 3 by 15:00. We will then monitor status for about an hour. Assuming no problems, we will then initiate step 4 around 16:00, and monitor for at least an hour.
>
> Please let me know ASAP if you have any concerns, or suggestions for a different approach. We are living on borrowed time with the Courthouse site, so I think it is prudent to initiate a graceful shutdown expeditiously.
>
> ...Chuck
>
> --
>
> _____
>
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From: Reardon, Gerry <GReardon@CambridgeFire.Org>
Sent: Monday, February 11, 2019 5:01 PM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
CC: Mahoney, David A; Heffernan, Walter; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Michael Kiely <Michael Kiely <MKiely@Police.Somerville.MA.US>>; Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Jim Rex <Jim Rex <JRex@LAN-TEL.com>>; Greg Washburn <Greg Washburn <GWashburn@LAN-TEL.com>>; Mark Savage <Mark Savage <MSavage@LAN-TEL.com>>; Ellison Patterson <Ellison Patterson <Ellison1@Skywave.org>>; Glenn Turner <Glenn Turner <GTurner@Skywave.org>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>>; John Surette <John Surette <John.Surette@PD.Boston.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: PSnet: Proposal to perform graceful shutdown of PSnet systems at Courthouse site

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Gerald R. Reardon
Senior Advisor
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491 Broadway
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B 617-349-4974

greardon@cambridgefire.org
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> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net
>
> On 1/31/19 4:36 PM, Chuck Wade wrote:
>
> > Folks,
> >
> > At this point, the only two connections out of the Cambridge Courthouse site are still live are the fiber from Healy, and the DragonWave microwave link to Schroeder Plaza. However, routing has been set high enough that there is barely any traffic going over the

DragonWave link to Schroeder.

So far, everything is looking good. All Motorola console systems have maintained their primary and secondary paths to the Zone 2 Core at Schroeder Plaza, so traffic has been re-routed away from the Courthouse connection. The Motorola CEN and other P25 traffic, as well as the IPmux-24 traffic between Schroeder and Cambridge Fire is flowing normally.

Camera traffic also seems to be unaffected. Here the big concern has been with Somerville cameras that are mostly backhauled through Burton Faulkner (25 Highland). However, I understand that Somerville's video servers are seeing their cameras.

I plan to shut down the DragonWave microwave link between Courthouse and Schroeder Plaza by 17:00. If anyone does notice any problems, please let me know immediately.

After 17:00, I believe that the Courthouse site can be safely shut down (for good).

...Chuck

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

On 1/31/19 2:38 PM, Chuck Wade wrote:

> Folks,
>
> LAN-TEL was able to establish another connection to the 222 Berkley Street site in Boston from one of the other Boston sites. We were not sure this would work, given the density of buildings in the area, but we lucked out (that, and the LAN-TEL team is good!). This is not a long-term solution, but it should be adequate for the short term, and if the Pats win the Super Bowl, we'll be able to support camera coverage next week for the parade. (I hope we haven't jinxed them.)
>
> With this replacement link in place, we can now handle a shutdown of the former Courthouse site. I would like to propose a graceful shutdown this afternoon, rather than just turning off the standby generator. I recommend the following steps:
>
> 1. Disable the connection to the microwave radio that shoots to 222 Berkley. This will confirm that we haven't missed something over in Boston, since LAN-TEL is having to re-address the CIMS equipment.
> 2. Disable the BridgeWave connection to the Healy Facility. This microwave link is misaligned, so it is not really very useful, and the primary path from Cambridge to the Courthouse site is via City fiber. In other words, this is not going to have any impact.
> 3. Increase routing metrics for the DragonWave microwave connection to Burton Faulkner in Somerville to force traffic to go via the link to Whidden Hospital. There is about 11 Mbps of continuous traffic currently going from Burton Faulkner to the Courthouse. Aside: the Whidden connection will be the only link into Burton Faulkner after the Courthouse is shut down.
> 4. Increase routing metrics for the DragonWave microwave connection to Schroeder Plaza in order to force all traffic onto alternative paths. This is the most important link out of the Courthouse site today, since it is carrying about 60 Mbps of continuous traffic comprising camera feeds and secondary connections for P25 radio systems to the Zone 2 Core.
>
> Obviously, we are going to monitor the situation carefully, and make sure that traffic does get rerouted as expected. Once we have confirmed that the alternative routes are handling the increased traffic loads, we will then shut down the two DragonWave links at the Courthouse site, and if there are no problems, we can then give the all clear to turn off the generator.
>
> I will start with the first two steps above within the next 15 minutes (by 14:45), and then proceed to step 3 by 15:00. We will then monitor status for about an

hour. Assuming no problems, we will then initiate step 4 around 16:00, and monitor for at least an hour.

Please let me know ASAP if you have any concerns, or suggestions for a different approach. We are living on borrowed time with the Courthouse site, so I think it is prudent to initiate a graceful shutdown expeditiously.

...Chuck

--

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

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, February 12, 2019 1:57 PM EST
To: Jeff Everett Police < Jeff Everett Police <jeffrey.gilmore@cityofeverett.org>>; sarah.plowman@boston.gov
Subject: Fw: MACU One Pager
Attachment(s): "MACUFinal.pdf","ATT00001.htm"

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
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Kcinelli@lan-tel.com **| www.lan-tel.com**
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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, February 12, 2019 2:08 PM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>
Subject: Security Camera Strategy Meeting - Status report for Tomorrow's Call
Attachment(s): "Security Camera Strategy Meeting_2-13-19.docx"

Attached is the status report for our meeting tomorrow. Call me with any questions.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 19, 2019 3:30 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Soldiers Home

Thanks, Eric!

On Tue, Feb 19, 2019 at 11:29 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> We had to go insite this am and restart a port on main switch
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

On Feb 19, 2019, at 10:33 AM, Griffin, Robert <RGriffin@chelseama.gov> wrote:

> Thanks. Did it just come back up or did it require intervention?
>
> ---
>
> **From:** Eric Johnson [mailto:ejohnson@Lan-Tel.com]
> **Sent:** Tuesday, February 19, 2019 6:49 AM
> **To:** Monzione, Pam <PMonzione@chelseama.gov>; Griffin, Robert <RGriffin@chelseama.gov>; Kyes, Brian <BKyes@chelseama.gov>; Greg Washburn <gwashburn@lan-tel.com>; Jim Rex <jrex@lan-tel.com>; Sean Pappas <spappas@lan-tel.com>; Mark Savage <msavage@lan-tel.com>; Peter Baker <pbaker@lan-tel.com>; Danielle Gavin <dgavin@lan-tel.com>; Scott Torressen <storressen@lan-tel.com>; Eric W. Nisbet <enisbet@lan-tel.com>; sarah.plowman@boston.gov
> **Subject:** Re: Soldiers Home

These cameras are all back up

Respectfully,

Eric Johnson

Project Manager

1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062

M 617-785-8254

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ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Feb 18, 2019, at 10:48 PM, Eric Johnson <ejohnson@Lan-Tel.com> wrote:

We lost a switch on the top of the Soldiers Home . It went down within a half hour ago.

It is affecting many cameras in the north area.

We will be on site in AM . Since it is outside on very top of roof and there's no lighting up there .

Will update you accordingly if it resets

Respectfully,

Eric Johnson

Project Manager

1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062

M 617-785-8254

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ejohnson@lan-tel.com ☘

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, February 20, 2019 10:59 AM EST
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Re: LAN-TEL/Office of Emergency Management Fatpot Integration

Hi Dennis,

After review and consultation with Scott Wilder, who is our Brookline point of contact on this project, we're requesting a revision on the invoice. The first and third component of this invoice have been approved for payment (Phase IVA M3 and the Project Management). However, the middle component (Phase IVA M4) involves training that will be ongoing and involve more than just Brookline. Therefore we will wait to pay that portion until we are further along or completed with the training.

Therefore, can you please revise the invoice to a total of $49,600 at which point I can submit it for payment.

Thank you,
Sarah

On Mon, Jan 21, 2019 at 3:43 PM Dennis Drain <ddrain@lan-tel.com> wrote:

> I have attached a copy of the January invoice for the above referenced job.
>
> Thank you.
>
> Dennis Drain
>
> Controller
>
> 1400 Providence Highway
>
> Norwood, MA 02062
>
> Phone 781-680-5906
>
> Fax: 781-551-8667
>
> ddrain@lan-tel.com
>
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, February 20, 2019 11:02 AM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Re: Fw: Briefcam-UASI Maintenance Renewal

Hi Eric,

Can you please provide more detail on this renewal? I'll need a SOW in order to begin the process of setting this up. A one-page bulleted overview should do - something to explain specifically what is being maintained (and where/how, for how long, etc), and what is being upgraded. If this connects to the previous BriefCam procurement, please reference that accordingly, and if it builds off of that and adds new pieces, please call those out. If this is "part A" of a multi-phased process, please give an overview of the scope and anticipated cost of the future phase(s).

Thank you,
Sarah

On Thu, Feb 7, 2019 at 9:54 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah:
> Good Morning please find the renewal for BriefCam enclosed in the email.
>
> Please call me if you have any questions
>
> Thanks !
> Eric

> **From:** Kelly Cinelli
> **Sent:** Thursday, February 7, 2019 9:11 AM
> **To:** Eric Johnson
> **Subject:** Briefcam-UASI contract Kelly
>
> Attached

Kelly Cinelli

Marketing Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062

T 781-680-5907 | M 774-218-6490

Kcinelli@lan-tel.com | **www.lan-tel.com**

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, February 20, 2019 12:04 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: RE: Fw: Briefcam-UASI Maintenance Renewal

Will do thank you

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, February 20, 2019 11:03 AM
To: Eric Johnson <ejohnson@Lan-Tel.com>
Cc: Scott Wilder <SWilder@brooklinema.gov>; Kelly Cinelli <kcinelli@lan-tel.com>
Subject: Re: Fw: Briefcam-UASI Maintenance Renewal

Hi Eric,

Can you please provide more detail on this renewal? I'll need a SOW in order to begin the process of setting this up. A one-page bulleted overview should do - something to explain specifically what is being maintained (and where/how, for how long, etc), and what is being upgraded. If this connects to the previous BriefCam procurement, please reference that accordingly, and if it builds off of that and adds new pieces, please call those out. If this is "part A" of a multi-phased process, please give an overview of the scope and anticipated cost of the future phase(s).

Thank you,
Sarah

On Thu, Feb 7, 2019 at 9:54 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah:
> Good Morning please find the renewal for BriefCam enclosed in the email.
>
> Please call me if you have any questions
>
> Thanks !
> Eric
>
> ---
>
> **From:** Kelly Cinelli
> **Sent:** Thursday, February 7, 2019 9:11 AM
> **To:** Eric Johnson
> **Subject:** Briefcam-UASI contract Kelly
>
> Attached
>
> Kelly Cinelli
>
> **Marketing Manager**
>
> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
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> **T 781-680-5907 | M 774-218-6490**
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, February 20, 2019 2:26 PM EST
To: sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Fwd: April 1, 2020
Attachment(s): "image003.jpg","ATT00001.htm","CIMS Global SSA proposal 1 year (2019 - 2020).pdf","ATT00002.htm"

Sarah
I am resending this to you since I put the wrong year for when then contract expires .

My apologies !

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Kelly Cinelli <kcinelli@lan-tel.com>
Date: February 20, 2019 at 2:02:40 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: April 1, 2020

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, February 20, 2019 3:12 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: RE: Fw: Briefcam-UASI Maintenance Renewal
Attachment(s): "Brief Cam SOW 2.pdf"

Sarah:
As requested
Thanks !
Eric

From: Eric Johnson
Sent: Wednesday, February 20, 2019 12:05 PM
To: 'Sarah Plowman' <sarah.plowman@boston.gov>
Cc: Scott Wilder <SWilder@brooklinema.gov>; Kelly Cinelli <kcinelli@lan-tel.com>
Subject: RE: Fw: Briefcam-UASI Maintenance Renewal

Will do thank you

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, February 20, 2019 11:03 AM
To: Eric Johnson <ejohnson@Lan-Tel.com>
Cc: Scott Wilder <SWilder@brooklinema.gov>; Kelly Cinelli <kcinelli@lan-tel.com>
Subject: Re: Fw: Briefcam-UASI Maintenance Renewal

Hi Eric,

Can you please provide more detail on this renewal? I'll need a SOW in order to begin the process of setting this up. A one-page bulleted overview should do - something to explain specifically what is being maintained (and where/how, for how long, etc), and what is being upgraded. If this connects to the previous BriefCam procurement, please reference that accordingly, and if it builds off of that and adds new pieces, please call those out. If this is "part A" of a multi-phased process, please give an overview of the scope and anticipated cost of the future phase(s).

Thank you,
Sarah

On Thu, Feb 7, 2019 at 9:54 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah:
> Good Morning please find the renewal for BriefCam enclosed in the email.
>
> Please call me if you have any questions
>
> Thanks !
> Eric
>
> ---
>
> **From:** Kelly Cinelli
> **Sent:** Thursday, February 7, 2019 9:11 AM
> **To:** Eric Johnson
> **Subject:** Briefcam-UASI contract Kelly
>
> Attached

Kelly Cinelli

Marketing Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062

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Regional Planner
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Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 22, 2019 1:01 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: LAN-TEL camera work in the MBHSR

Hi Eric,

I know we've got a lot of camera work going on in the Region right now, and many stakeholders are eager to replace cameras, install new ones, get quotes for future target hardening projects, etc, even make use of the mobile response unit and deploy other LAN-TEL services.

To that end, I want to say by way of reminder that any time you are asked by a MBHSR stakeholder to install new equipment or relocate existing equipment elsewhere, or deploy other services, you need to first reach out to OEM to confirm that the work has been approved prior to beginning. Often times as you well know we need to get FEMA approval for installations and relocation work. We also have several PO's with LAN-TEL currently, and while a stakeholder may think they are asking for work done under an existing PO, it's entirely possible that the scope of work falls outside of that contract and must be procured anew.

I will be reminding the subcommittee members of this next week again as well. But just wanted to send this out now as the weather gets nice enough to begin a new season of outdoor camera (and other) work.

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 22, 2019 2:02 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: LAN-TEL camera work in the MBHSR

Sarah
Good afternoon , understood on your email . That's how we have always operated and will continue to do so .

While it is tough navigating the different parameters , I believe we keep our demarcations within the POs issued with strict adherence.

If your email is based on anything you may of heard, Is there an insistence of where we did work without OEM not knowing ? Because I cannot think of anything off the top of my head.

Please know that with some of the UASI cities and towns that we maintain with CIMs and PSNET contracts , we also have direct
contracts to maintain other internal camera systems that are not affected by OEM.

Example :BPD cell system and District cameras , Somerville internal , etc)

I hope that is being taken into consideration and not being misconstrued as CIMs or PSNET work .

On another note and I discussed this with Scott Wilder recently . While we have many meetings on PSNET and a smaller footprint with stakeholders , we never have any CIMS meetings where we have more day to day dealings with stakeholders and a ton of more equipment.

Could we possibly make this an actionable item to accomplish a few meetings regarding CIMS and maybe the message of what can or cannot be done will be repeated and certified in these meetings ?

Just a thought ?

Thanks ! and please let me know if we have done anything to go outside any bounds within the contracts.

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Feb 22, 2019, at 1:01 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

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I will be reminding the subcommittee members of this next week again as well. But just wanted to send this out now as the weather gets nice enough to begin a new season of outdoor camera (and other) work.

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 22, 2019 2:55 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: LAN-TEL camera work in the MBHSR

Hi Eric,

Thanks for the thoughtful reply. Yes, I know that this is how you have operated. I just wanted to document again. My concern is more with the stakeholders themselves, who sometimes are not aware of the various PO's in place and are eager to initiate projects. I will also be stressing to them that they must ensure that projects have received all of the appropriate approvals and are tied into current contracts prior to beginning work. If they are ever impatient with you because they assume work can begin when in fact we are still corralling all of those details, you can refer them to my previous email below and let OEM take the heat for any "delays." The stakeholders' intentions are good, but they are not always up to date on the processes. For that reason, I wanted to be sure that all of us are on the same page, hence my emails. If I do hear of a particular instance in which someone jumped the gun somehow, I will certainly bring that to you. But this communication was to be proactive rather than reactive. :)

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Thanks again for all that you do for the Region. LAN-TEL has been a great partner for a number of years and we value your services!

Have a good weekend,
Sarah

On Fri, Feb 22, 2019 at 2:02 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Good afternoon , understood on your email . That's how we have always operated and will continue to do so .
>
> While it is tough navigating the different parameters , I believe we keep our demarcations within the POs issued with strict adherence.
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> If your email is based on anything you may of heard, Is there an insistence of where we did work without OEM not knowing ? Because I cannot think of anything off the top of my head.
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> Please know that with some of the UASI cities and towns that we maintain with CIMs and PSNET contracts , we also have direct
> contracts to maintain other internal camera systems that are not affected by OEM.
>
> Example :BPD cell system and District cameras , Somerville internal , etc)
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> I hope that is being taken into consideration and not being misconstrued as CIMs or PSNET work .
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> On another note and I discussed this with Scott Wilder recently . While we have many meetings on PSNET and a smaller footprint with stakeholders , we never have any CIMS meetings where we have more day to day dealings with stakeholders and a ton of more equipment.
>
> Could we possibly make this an actionable item to accomplish a few meetings regarding CIMS and maybe the message of what can or cannot be done will be repeated and certified in these meetings ?
>
> Just a thought ?
>
> Thanks ! and please let me know if we have done anything to go outside any bounds within the contracts.
>
> Eric
>
> Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

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Thanks,
Sarah

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Sarah Plowman
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Sarah Plowman
Regional Planner
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, February 22, 2019 3:03 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
Subject: Re: LAN-TEL camera work in the MBHSR

Sarah
Thank you for clarifying and you have my word if someone tries to push something without the proper steps , I will bring to OEM's attention or recommend that we have that particular stakeholder contact you directly .

Have a great weekend as well !

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘□

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Feb 22, 2019, at 2:56 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Eric Johnson
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> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
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Regional Planner

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 22, 2019 3:36 PM EST
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Fatpot Revised Invoice

Thanks! This has been submitted for payment.

On Thu, Feb 21, 2019 at 11:52 AM Dennis Drain <ddrain@lan-tel.com> wrote:

> Sarah
>
> Here is the revised invoice.
>
> Thank you.
>
> Dennis Drain
>
> Controller
>
> 1400 Providence Highway
>
> Norwood, MA 02062
>
> Phone 781-680-5906
>
> Fax: 781-551-8667
>
> ddrain@lan-tel.com
>
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From: Kate Waldron <kwaldron@lan-tel.com>
Sent: Friday, February 22, 2019 3:46 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
Subject: RE: Fatpot Revised Invoice

Great. Thanks very much. Have a great weekend.

Kate

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 22, 2019 4:00 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Re: April 1, 2020

Thanks!

On Wed, Feb 20, 2019 at 2:26 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

Sarah
I am resending this to you since I put the wrong year for when then contract expires .

My apologies !

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Kelly Cinelli <kcinelli@lan-tel.com>
Date: February 20, 2019 at 2:02:40 PM EST
To: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: April 1, 2020

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, February 22, 2019 6:37 PM EST
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
BCC: John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Mike Kiely <Mike Kiely <mkiely@police.somerville.ma.us>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
Subject: Meeting minutes - for your review
Attachment(s): "1.17.19 PSNEC mtg minutes DRAFT.doc"

Hello PSnet folks,

Please review the attached meeting minutes prior to our meeting on Tuesday. We will vote there for acceptance.

Thanks,
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, February 22, 2019 7:28 PM EST
To: David Mahoney <David Mahoney <DAMahoney@CambridgeFire.org>>; Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>
CC: Jason Brennan <Jason Brennan <JBrennan@LAN-TEL.com>>; Peter Baker <Peter Baker <PBaker@LAN-TEL.com>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: PSnet: Avalon North Point site is now online
Attachment(s): "smime.p7s"

Dave, Gerry,

Jason and I got the two PSnet switches installed at the Avalon North Point (1 Leighton Street) site this afternoon. The fiber connections to Cambridge Fire HQ and the Healy Public Safety Facility both came up. Nice!

The microwave radio to Whidden Hospital is connected, and I do see the switch at the Whidden end. However, there's a fair amount of work yet to be done to get the radios actually configured to work with the network and to leverage their redundancy. I hope to get that done soon.

Have a nice weekend...
...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: Sunday, February 24, 2019 6:29 PM EST
To: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: Recommendation for additional Blade server in each PSnet hosting center
Attachment(s): "BoM for BL460c 8 core 128 GB.pdf","smime.p7s"

Scott, Sarah,

After a lot of consideration, the PSnet team has determined that the most pressing need for additional capital investment in PSnet is to complete establishment of a fully robust virtualization environment at the Boston and Cambridge hosting centers to adequately support current, plus new applications hosted by PSnet for regional use.

The current Blade systems each have two Blade servers with dual 8-core processors and 128 GB of memory. This provides adequate processing capacity for current workloads. However, for a virtualized environment to support fault tolerance and provide a resilient platform for Virtual Machines (VMs) and applications, three physical servers are needed at each hosting center (see below for the rationale). In other words, PSnet is constrained by not having the required minimum number of servers for a fully robust virtualized environment. At the same time, an additional server will provide more "headroom" for heavier workloads that are anticipated over the next couple of years.

There are many technical and operational advantages to using Blade servers deployed within a shared Blade enclosure that provides a fully integrated system environment for each additional Blade server. However, one downside is that Blade servers are priced at significant premiums. In addition, every server (whether or not a Blade) also requires software licenses for the hypervisor operating system (OS) that supports VMs as well as licenses for Windows OSs used by the individual VMs. Consequently, the total cost per server at list is ~$22,000.

The table below shows the items that need to be ordered along with published list prices.

Vendor	Description	Quantity	Unit Price	Ext. Price
HPE	BL 460c Gen 10 Blade Server for existing c3000 enclosures * Two Xeon 4110 CPUs w/8-cores at 2.1GHz * 128 GB Memory (4 x 32 GB DDR4-2666) * One 630FLB 2-port 20 Gbps FlexLOM Network adapter * Two 534M 2-port 10 Gbps FlexFabric Network adapter * One 1 TB SATA 6G Midline 7.2k SFF disk drive * One 8 GB Dual MicroSD USB Flash drive (for ESXi boot) * Trusted Platform Module 2.0 option * 3-year Proactive Care 24x7 Service	2	$13,467	$26,934
VMware	vSphere Standard (ESXi) per processor license w/ 1-yr support	4	$1,268	$5,072
Microsoft	Windows Server Datacenter 2012 R2 license OLP NL for 2 processors per server	2	$6,155	$12,310
		Totals:	**$22,158 per server**	**$44,316**

Since the above prices are list retail, it is likely that the final procurement prices would be 10% to 20% less.

A Bill of Materials is attached for the HPE Blade Server that was generated using HPE's publicly accessible configuration tool. This configuration was intentionally tailored to be equivalent to the currently deployed Blade Servers (BL 460c Gen 8). Note that there was no option to change the 1-year support contract from "Proactive" to "Foundation," which is all that PSnet needs.

Also, we are recommending that the same Microsoft Windows Server Datacenter 2012 R2 license be procured as was included with the original 2014 purchase of these Blade systems. A complete explanation is provided below for this recommendation.

Rationale for Adding a Third Server at each PSnet Hosting Center

In order to have a fully functional virtualization environment, each hosting center requires three physical servers. There are several reasons for this requirement, but probably the most compelling is that fault tolerant configurations require at least three physical servers to "vote" which servers are available or unavailable. This voting logic also applies to various services, individual VMs, and core management capabilities. The VMware vSphere virtualization environment used at the PSnet hosting centers is currently unable to handle degraded conditions in an automated manner since there are only two physical servers.

It is also worth emphasizing that the lack of a third server means that many normal maintenance procedures must be done manually. To be specific, any operation that requires a reboot of a server means that we must first migrate all VMs running

on the server to the other server, then manually put the server into maintenance mode, perform the software or firmware upgrade, manually reboot the server, take it back out of maintenance mode, and finally migrate the VMs back to the server when it is fully back online. This procedure takes at least a half hour per physical server. With three servers, all of these steps can be automated and scheduled to take place at an appropriate time; e.g., the middle of the night.

Another benefit to operating with three servers is that vSphere is able to recover from server crashes on its own, often without disrupting VMs. In the current two-server configuration, a server going down will force all VMs active on that server to reboot on the other server. If we become capacity constrained, then it might not be possible to bring up all VMs on a single server.

Current Physical Server Deployments

The current PSnet hosting centers are each based on HPE c3000 Blade Enclosures with both Blade Servers and Switches. Although these Blade Enclosures will each support up to eight (8) Blade Servers, there are only two servers currently deployed per enclosure (or hosting center).

In order to add another server, all that is necessary is to insert a new Blade server into the enclosure. The enclosure provides all of the networking, including storage networking, as well as central server management, console access, redundant power, and redundant thermal management (i.e., blowers). Once a Blade server is inserted, there are no additional cables required, and the new server will be fully integrated with the other servers in the enclosure along with all network connections at multiples of 10 Gbps.

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12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

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There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

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Chuck Wade, Principal
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From: Scott Wilder <swilder@brooklinema.gov>
Sent: Monday, February 25, 2019 9:12 AM EST
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>
Subject: RE: Recommendation for additional Blade server in each PSnet hosting center

Let's discuss this at tomorrow's meeting, we have funds for PSnet equipment, perhaps we ccan move forward on this sooner rather than later.
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Subject: Recommendation for additional Blade server in each PSnet hosting center
Importance: High

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The substance of this message, including any attachments, may be confidential, legally privileged and/or exempt from disclosure pursuant to Massachusetts law. It is intended solely for the addressee. If you received this in error, please contact the sender and delete the material from any computer.

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, February 25, 2019 9:37 AM EST
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Recommendation for additional Blade server in each PSnet hosting center

Thanks! And yes we will discuss it tomorrow.

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However, what is important to consider is that newer versions of Windows Server (2016 or 2019) employ a new licensing model based on cores, rather than processors. In addition, only Windows hypervisors will have any option for running unlimited VMs. For a vSphere environment, only two VMs are licensed, and an additional per-core license is required each time that two more VMs are to be run at the same time on the same server. Further complicating matters, each server must be fully licensed for the maximum number of VMs that might run on that server at any point in time.

If this new licensing model were to be applied to the current servers in the PSnet hosting centers, then each server would need to be able to run up to 12 Windows Server VMs based on the current VM deployments. In reality these 12 VMs are distributed between the two servers in each hosting center for an average of 6 VMs per server, but if the VMs need to be migrated at least temporarily from one server to the other (which they do) then each server would have to be licensed for all 12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

For comparison purposes, the original purchase back in 2014 of the two Blade systems with two servers each (four servers in total) included Windows Server 2012 R2 Datacenter licenses at $4,385 per server, or $17,540 in total. It is clear that licensing costs for the 2016 or 2019 versions could be considerably more expensive, though probably not 6 times as expensive as the original 2012 licenses that were acquired for PSnet. The reason is that the Datacenter license only makes sense for Microsoft customers that will use Microsoft's hypervisor. For customers using other hypervisors, such as vSphere ESXi, it only makes sense to purchase licenses *à la carte.* It turns out that, for the 12 VMs in this example, the pricing between 2012 and 2016/2019 versions is similar.

There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

It should be possible to still acquire actual Windows Server 2012 R2 Datacenter licenses from multiple sources. This would be consistent with the current PSnet deployments, and highly preferred for a variety of reasons, including reduction in management overhead to track per-VM licensing. However, purchasing 2016 or 2019 licenses and downgrading to 2012 is not an attractive option, since the newer licensing model would then apply to the 2012 installation.

The other complicating aspect of Microsoft server licensing is the requirement for Client Access Licenses (CALs), either on a per device or per user basis. With the original 2014 order, 100 User CALs were acquired at $24.25 each, for a total cost of $2,425. At this time, 100 CALs should continue to be sufficient, even with the addition of a third server at each hosting center. The CALs are required for any user that accesses applications running on a Windows Server 2012 VM running on any server in either hosting center, though this is generally assumed to not apply to system administrators.

Of course, there are other types of CALs that might be used with the PSnet Windows installations, including separate CALs for users using Remote Desktop to access Windows VMs, and CALs used for Microsoft SQL or SharePoint. The 2014 Blade system order included 100 CALs for SQL at total cost of $15,400. Based on current usage, these CALs are adequate at this time.

In order to get an accurate price estimate for any Windows Server licenses we will need to go through an authorized seller that can advise on Microsoft licensing obligations.

I am happy to answer any questions, and we can present these recommendations to the PSnet EC at Tuesday's meeting.

...Chuck

--

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

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, February 26, 2019 8:08 AM EST
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Update
Attachment(s): "Security Camera Strategy Meeting_2-27-19.docx"

Hello all - attached is the report that we will review at our Security Camera meeting tomorrow morning.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, March 01, 2019 1:50 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
Subject: Re: April 1, 2020

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> **Date:** February 20, 2019 at 2:02:40 PM EST
> **To:** Eric Johnson <ejohnson@Lan-Tel.com>

Subject: April 1, 2020

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Sarah Plowman
Regional Planner
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To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
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Sarah
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Thanks and have a great weekend !

Respectfully,

Eric Johnson
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On Mar 1, 2019, at 2:12 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> The only potential complicating factor is that the general CIMS contract expires May 31. So we may need to renew the contract prior to paying the SSA. I'll check into that. If that's true, can we pro-rate the SSA for two months initially so that a new SSA would align with a renewed contract date?
>
> On Fri, Mar 1, 2019 at 2:11 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>> I believe we have and If that is the path of least resistance that will keep us on course for April 1 implementation .
>>
>> Respectfully,
>>
>> Eric Johnson
>> **Project Manager**
>> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
>> **M 617-785-8254**
>> **| www.lan-tel.com. I** Twitter
>>
>> ejohnson@lan-tel.com ☘
>>
>> TWITTER : @ejctown
>>
>> http://linkedin.com/in/eric-johnson-9702a62b.
>>
>> www.lan-tel.com

On Mar 1, 2019, at 1:50 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric,

I believe in the past we have paid for the SSA as part of the general CIMS maintenance contract. That is to say, it was another invoice using the same CIMS PO. Doesn't it make sense to do it that way, since this SSA supports that contract?

Sarah

On Wed, Feb 20, 2019 at 2:26 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

Sarah
I am resending this to you since I put the wrong year for when then contract expires .

My apologies !

Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100,
NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

> **From:** Kelly Cinelli <kcinelli@lan-tel.com>
> **Date:** February 20, 2019 at 2:02:40 PM EST
> **To:** Eric Johnson <ejohnson@Lan-Tel.com>
> **Subject: April 1, 2020**

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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, March 06, 2019 1:47 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Invoice for BPD HQ

Hi Eric,

I hear that the camera installation work at BPD HQ has wrapped up (or is wrapping up?). Can you please have your finance team send me an invoice for that project? PO number for reference is 698448.

Thanks,
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 06, 2019 1:52 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Invoice for BPD HQ

Will do

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 6, 2019, at 1:48 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Sarah

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, March 06, 2019 1:53 PM EST
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Invoice for BPD HQ

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>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
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> ejohnson@lan-tel.com
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> --
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Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, March 08, 2019 12:37 PM EST
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Recommendation for additional Blade server in each PSnet hosting center
Attachment(s): "Quote27362.pdf"

Chuck & Eric,

Please see quote attached for a single Blade Server. I realize I'd be ordering two, as we need one in each location. Can you please review and confirm that this meets our technical specification needs?

Thanks,
Sarah

On Sun, Feb 24, 2019 at 6:29 PM Chuck Wade <Chuck@interisle.net> wrote:

> Scott, Sarah,
>
> After a lot of consideration, the PSnet team has determined that the most pressing need for additional capital investment in PSnet is to complete establishment of a fully robust virtualization environment at the Boston and Cambridge hosting centers to adequately support current, plus new applications hosted by PSnet for regional use.
>
> The current Blade systems each have two Blade servers with dual 8-core processors and 128 GB of memory. This provides adequate processing capacity for current workloads. However, for a virtualized environment to support fault tolerance and provide a resilient platform for Virtual Machines (VMs) and applications, three physical servers are needed at each hosting center (see below for the rationale). In other words, PSnet is constrained by not having the required minimum number of servers for a fully robust virtualized environment. At the same time, an additional server will provide more "headroom" for heavier workloads that are anticipated over the next couple of years.
>
> There are many technical and operational advantages to using Blade servers deployed within a shared Blade enclosure that provides a fully integrated system environment for each additional Blade server. However, one downside is that Blade servers are priced at significant premiums. In addition, every server (whether or not a Blade) also requires software licenses for the hypervisor operating system (OS) that supports VMs as well as licenses for Windows OSs used by the individual VMs. Consequently, the total cost per server at list is ~$22,000.
>
> The table below shows the items that need to be ordered along with published list prices.

Vendor	Description	Quantity	Unit Price	Ext. Price
HPE	BL 460c Gen 10 Blade Server for existing c3000 enclosures * Two Xeon 4110 CPUs w/8-cores at 2.1GHz * 128 GB Memory (4 x 32 GB DDR4-2666) * One 630FLB 2-port 20 Gbps FlexLOM Network adapter * Two 534M 2-port 10 Gbps FlexFabric Network adapter * One 1 TB SATA 6G Midline 7.2k SFF disk drive * One 8 GB Dual MicroSD USB Flash drive (for ESXi boot) * Trusted Platform Module 2.0 option * 3-year Proactive Care 24x7 Service	2	$13,467	$26,934
VMware	vSphere Standard (ESXi) per processor license w/ 1-yr support	4	$1,268	$5,072
Microsoft	Windows Server Datacenter 2012 R2 license OLP NL for 2 processors per server	2	$6,155	$12,310
		Totals:	**$22,158 per server**	**$44,316**

> Since the above prices are list retail, it is likely that the final procurement prices would be 10% to 20% less.
>
> A Bill of Materials is attached for the HPE Blade Server that was generated using HPE's publicly accessible configuration tool. This configuration was intentionally tailored to be equivalent to the currently deployed Blade Servers (BL 460c Gen 8). Note that there was no option to change the 1-year support contract from "Proactive" to "Foundation," which is all that PSnet needs.
>
> Also, we are recommending that the same Microsoft Windows Server Datacenter 2012 R2 license be procured as was included with the original 2014 purchase of these Blade systems. A complete explanation is provided below for this recommendation.
>
> **Rationale for Adding a Third Server at each PSnet Hosting Center**

In order to have a fully functional virtualization environment, each hosting center requires three physical servers. There are several reasons for this requirement, but probably the most compelling is that fault tolerant configurations require at least three physical servers to "vote" which servers are available or unavailable. This voting logic also applies to various services, individual VMs, and core management capabilities. The VMware vSphere virtualization environment used at the PSnet hosting centers is currently unable to handle degraded conditions in an automated manner since there are only two physical servers.

It is also worth emphasizing that the lack of a third server means that many normal maintenance procedures must be done manually. To be specific, any operation that requires a reboot of a server means that we must first migrate all VMs running on the server to the other server, then manually put the server into maintenance mode, perform the software or firmware upgrade, manually reboot the server, take it back out of maintenance mode, and finally migrate the VMs back to the server when it is fully back online. This procedure takes at least a half hour per physical server. With three servers, all of these steps can be automated and scheduled to take place at an appropriate time; e.g., the middle of the night.

Another benefit to operating with three servers is that vSphere is able to recover from server crashes on its own, often without disrupting VMs. In the current two-server configuration, a server going down will force all VMs active on that server to reboot on the other server. If we become capacity constrained, then it might not be possible to bring up all VMs on a single server.

Current Physical Server Deployments

The current PSnet hosting centers are each based on HPE c3000 Blade Enclosures with both Blade Servers and Switches. Although these Blade Enclosures will each support up to eight (8) Blade Servers, there are only two servers currently deployed per enclosure (or hosting center).

In order to add another server, all that is necessary is to insert a new Blade server into the enclosure. The enclosure provides all of the networking, including storage networking, as well as central server management, console access, redundant power, and redundant thermal management (i.e., blowers). Once a Blade server is inserted, there are no additional cables required, and the new server will be fully integrated with the other servers in the enclosure along with all network connections at multiples of 10 Gbps.

It should be noted that each PSnet Blade Enclosure includes two redundant pairs of "Blade Switches." One pair provides normal network access to the rest of PSnet while the other is primarily used for Storage Area Networking (SAN) to connect the Blade Servers to the 3PAR storage systems. Since the 3PAR systems have their own redundant SAN interfaces and control logic, there are no single points of failure in the overall system. While each Blade server does have one local disk drive, the purpose of this drive is to support management and maintenance functions, primarily for managing the 3PAR systems and virtualization environment. All other storage is provided by the 3PAR systems and shared across all Blade servers and VMs.

vSphere Hypervisor and Windows OS Deployments

Once a new Blade Server is installed and brought online, it will be necessary to install the VMware vSphere hypervisor known as ESXi. This is a straight-forward OS installation requiring about a half hour, and is normally a one-time procedure. When the ESXi host hypervisor is booted up, it will then be integrated into the VMware vCenter virtualization management system, which will handle all software updates and integration with other servers in the local cluster as well as the other datacenter server cluster.

Licensing Issues and Pricing for VMware vSphere

Each new vSphere ESXi host will require a VMware license for each processor included with the server. The recommended hardware configuration for a new Blade Server includes two processors, each with 8 cores. This means two vSphere licenses per server, for a total of four new vSphere licenses. At this time, PSnet is using vSphere Standard, which has a list license price of $995 per processor, but must be purchased with at least one year of basic support at $273 per processor for a total of $1,268 per processor. If purchased with a 3-year support contract, the per processor list price would be $1,716. This equates to $224 per additional year of support.

Assuming that a single year of support is ordered, then the cost to license two new 2-processor servers would be four times $1,268, or $5,072 with one year of support included. If the 3-year support option is purchased, then the total cost would come to $6,864. The recommendation would be to go with the 1-year support option. It is also recommended that this be purchased directly from VMware, although this could be ordered from HPE as part of the Blade Server purchase.

Licensing Issues and Pricing for Microsoft Windows Server

Currently, PSnet is licensed to run Windows Server 2012 R2 "Datacenter" on each of the four Blade Servers. The licensing model used by Microsoft for this version of Windows Server was per server with up to two processors, and allows running an unlimited number of Windows Server 2012 Virtual Machines (VMs). This is completely adequate for PSnet applications and planned use over the next few years, and there are no compelling reasons to go to newer versions of Windows Server. Microsoft has announced that Windows Server 2012 Datacenter will be fully supported until October 10, 2023, with additional support available after that date for a price.

However, what is important to consider is that newer versions of Windows Server (2016 or 2019) employ a new licensing

model based on cores, rather than processors. In addition, only Windows hypervisors will have any option for running unlimited VMs. For a vSphere environment, only two VMs are licensed, and an additional per-core license is required each time that two more VMs are to be run at the same time on the same server. Further complicating matters, each server must be fully licensed for the maximum number of VMs that might run on that server at any point in time.

If this new licensing model were to be applied to the current servers in the PSnet hosting centers, then each server would need to be able to run up to 12 Windows Server VMs based on the current VM deployments. In reality these 12 VMs are distributed between the two servers in each hosting center for an average of 6 VMs per server, but if the VMs need to be migrated at least temporarily from one server to the other (which they do) then each server would have to be licensed for all 12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

For comparison purposes, the original purchase back in 2014 of the two Blade systems with two servers each (four servers in total) included Windows Server 2012 R2 Datacenter licenses at $4,385 per server, or $17,540 in total. It is clear that licensing costs for the 2016 or 2019 versions could be considerably more expensive, though probably not 6 times as expensive as the original 2012 licenses that were acquired for PSnet. The reason is that the Datacenter license only makes sense for Microsoft customers that will use Microsoft's hypervisor. For customers using other hypervisors, such as vSphere ESXi, it only makes sense to purchase licenses *à la carte.* It turns out that, for the 12 VMs in this example, the pricing between 2012 and 2016/2019 versions is similar.

There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

It should be possible to still acquire actual Windows Server 2012 R2 Datacenter licenses from multiple sources. This would be consistent with the current PSnet deployments, and highly preferred for a variety of reasons, including reduction in management overhead to track per-VM licensing. However, purchasing 2016 or 2019 licenses and downgrading to 2012 is not an attractive option, since the newer licensing model would then apply to the 2012 installation.

The other complicating aspect of Microsoft server licensing is the requirement for Client Access Licenses (CALs), either on a per device or per user basis. With the original 2014 order, 100 User CALs were acquired at $24.25 each, for a total cost of $2,425. At this time, 100 CALs should continue to be sufficient, even with the addition of a third server at each hosting center. The CALs are required for any user that accesses applications running on a Windows Server 2012 VM running on any server in either hosting center, though this is generally assumed to not apply to system administrators.

Of course, there are other types of CALs that might be used with the PSnet Windows installations, including separate CALs for users using Remote Desktop to access Windows VMs, and CALs used for Microsoft SQL or SharePoint. The 2014 Blade system order included 100 CALs for SQL at total cost of $15,400. Based on current usage, these CALs are adequate at this time.

In order to get an accurate price estimate for any Windows Server licenses we will need to go through an authorized seller that can advise on Microsoft licensing obligations.

I am happy to answer any questions, and we can present these recommendations to the PSnet EC at Tuesday's meeting.

...Chuck

--

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

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, March 08, 2019 2:06 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Recommendation for additional Blade server in each PSnet hosting center
Attachment(s): "smime.p7s"

Sarah,

I have reviewed this quote. One significant concern is that I do not see the second processor, Part # 872012-B21, included in the quote. It is possible that this was included in the first item, but it doesn't look like it. The "L21" part number included in the quote is specifically for the first processor added to the Blade, and the "B21" part is the second processor.

Note, I had specifically recommended a two-processor server with each processor having 8 cores. This is to get the new Blade servers to be similar to what we currently have deployed. Also, without the second processor, the HPE configuration checkers will throw out the quoted configuration.

If possible, I would like to be able to work with the vendor you're going to use for this order. The reason I'm asking to be in the loop is so we can confirm that we are ordering new Blade servers that will be compatible with our current c3000 Blade Enclosures and associated switches. Also with the 3PAR systems.

Thanks for sharing this quote with me...
...Chuck

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

On 3/8/19 12:37 PM, Sarah Plowman wrote:

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>> | Vendor | Description | Quantity | Unit Price | Ext. Price |
>> |---|---|---|---|---|
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It should be noted that each PSnet Blade Enclosure includes two redundant pairs of "Blade Switches." One pair provides normal network access to the rest of PSnet while the other is primarily used for Storage Area Networking (SAN) to connect the Blade Servers to the 3PAR storage systems. Since the 3PAR systems have their own redundant SAN interfaces and control logic, there are no single points of failure in the overall system. While each Blade server does have one local disk drive, the purpose of this drive is to support management and maintenance functions, primarily for managing the 3PAR systems and virtualization environment. All other storage is provided by the 3PAR systems and shared across all Blade servers and VMs.

vSphere Hypervisor and Windows OS Deployments

Once a new Blade Server is installed and brought online, it will be necessary to install the VMware vSphere hypervisor known as ESXi. This is a straight-forward OS installation requiring about a half hour, and is normally a one-time procedure. When the ESXi host hypervisor is booted up, it will then be integrated into the VMware vCenter virtualization management system, which will handle all software updates and integration with other servers in the local cluster as well as the other datacenter server cluster.

Licensing Issues and Pricing for VMware vSphere

Each new vSphere ESXi host will require a VMware license for each processor included with the server. The recommended hardware configuration for a new Blade Server includes two processors, each with 8 cores. This means two vSphere licenses per server, for a total of four new vSphere licenses. At this time, PSnet is using vSphere Standard, which has a list license price of $995 per processor, but must be purchased with at least one year of basic support at $273 per processor for a total of $1,268 per processor. If purchased with a 3-year support contract, the per processor list price would be $1,716. This equates to $224 per additional year of support.

Assuming that a single year of support is ordered, then the cost to license two new 2-processor servers would be four times $1,268, or $5,072 with one year of support included. If the 3-year support option is purchased, then the total cost would come to $6,864. The recommendation would be to go with the 1-year support option. It is also recommended that this be purchased directly from VMware, although this could be ordered from HPE as part of the Blade Server purchase.

Licensing Issues and Pricing for Microsoft Windows Server

Currently, PSnet is licensed to run Windows Server 2012 R2 "Datacenter" on each of the four Blade Servers. The licensing model used by Microsoft for this version of Windows Server was per server with up to two processors, and allows running an unlimited number of Windows Server 2012 Virtual Machines (VMs). This is completely adequate for PSnet applications and planned use over the next few years, and there are no compelling reasons to go to newer versions of Windows Server. Microsoft has announced that Windows Server 2012 Datacenter will be fully supported until October 10, 2023, with additional support available after that date for a price.

However, what is important to consider is that newer versions of Windows Server (2016 or 2019) employ a new licensing model based on cores, rather than processors. In addition, only Windows hypervisors will have any option for running unlimited VMs. For a vSphere environment, only two VMs are licensed, and an additional per-core license is required each time that two more VMs are to be run at the same time on the same server. Further complicating matters, each server must be fully licensed for the maximum number of VMs that might run on that server at any point in time.

If this new licensing model were to be applied to the current servers in the PSnet hosting centers, then each server would need to be able to run up to 12 Windows Server VMs based on the current VM deployments. In reality these 12 VMs are distributed between the two servers in each hosting center for an average of 6 VMs per server, but if the VMs need to be migrated at least temporarily from one server to the other (which they do) then each server would have to be licensed for all 12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

For comparison purposes, the original purchase back in 2014 of the two Blade systems with two servers each (four servers in total) included Windows Server 2012 R2 Datacenter licenses at $4,385 per server, or $17,540 in total. It is clear that licensing costs for the 2016 or 2019 versions could be considerably more expensive, though probably not 6 times as expensive as the original 2012 licenses that were acquired for PSnet. The reason is that the Datacenter license only makes sense for Microsoft customers that will use Microsoft's hypervisor. For customers using other hypervisors, such as vSphere ESXi, it only makes sense to purchase licenses *à la carte.* It turns out that, for the 12 VMs in this example, the pricing between 2012 and 2016/2019 versions is similar.

There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

It should be possible to still acquire actual Windows Server 2012 R2 Datacenter licenses from multiple sources. This would be consistent with the current PSnet deployments, and highly preferred for a variety of reasons, including reduction in management overhead to track per-VM licensing. However, purchasing 2016 or 2019 licenses and downgrading to 2012 is not an attractive option, since the newer licensing model would then apply to the 2012 installation.

The other complicating aspect of Microsoft server licensing is the requirement for Client Access Licenses (CALs), either on a per device or per user basis. With the original 2014 order, 100 User CALs were acquired at $24.25 each, for a total cost of $2,425. At this time, 100 CALs should continue to be sufficient, even with the addition of a third server at each hosting center. The CALs are required for any user that accesses applications running on a Windows Server 2012 VM running on any server in either hosting center, though this is generally assumed to not apply to system administrators.

Of course, there are other types of CALs that might be used with the PSnet Windows installations, including separate CALs for users using Remote Desktop to access Windows VMs, and CALs used for Microsoft SQL or SharePoint. The 2014 Blade system order included 100 CALs for SQL at total cost of $15,400. Based on current usage, these CALs are adequate at this time.

In order to get an accurate price estimate for any Windows Server licenses we will need to go through an authorized seller that can advise on Microsoft licensing obligations.

I am happy to answer any questions, and we can present these recommendations to the PSnet EC at Tuesday's meeting.

...Chuck

--

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

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Dennis Drain <ddrain@lan-tel.com>
Sent: Friday, March 08, 2019 3:38 PM EST
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Susan O'Byrne <=?Windows-1252?Q?Susan_O=92Byrne?= <sobyrne@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: LAN-TEL/City of Boston PO # 698448 Inv # 9918801 19-0007-20
Attachment(s): "9918801-COBOSAU-3-08-2019-2.PDF","image001.jpg"

I have attached a copy of our invoice for the above referenced job.

Thank you.

Dennis Drain
Controller
Suite 3100
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com
FOLLOW US: Twitter | LinkedIn | Facebook

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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Saturday, March 09, 2019 10:32 AM EST
To: sarah.plowman@boston.gov
Subject: Fwd: Cameras down

Just an FYI

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: ejohnson@Lan-Tel.com
Date: March 9, 2019 at 10:32:00 AM EST
To: Louie Madeira <louis.madeira@pd.boston.gov>, "Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski" <shawn.romanoski@pd.boston.gov>, kevin.cullen@pd.boston.gov, steven.whitman@pd.boston.gov, jrex@lan-tel.com, gwashburn@lan-tel.com, Savage Norbit <msavage@lan-tel.com>, spappas@lan-tel.com, enisbet@lan-tel.com, storressen@lan-tel.com, jburke@lan-tel.com
Subject: Cameras down

Shawn / Lou

It appears we lost BONET at City Hall . I do not know of any planned outages for this site through DOIT. The cameras affected are around Trem / Camb - State St and City Hall PTZ . I do not know how to contact DOIT for response to troubleshoot .

Also the antenna at 40 Harrison is down this affecting about 12 cameras in the Chinatown area . A remote reboot of AP Antenna did not reset we will dispatch to thin site and triage .

Approximately 25 cameras down between 2 sites .

Thanks
Eric

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, March 11, 2019 9:28 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Cameras down

Thanks, Eric. Did this ever get resolved? I think City Hall had a planned power shutdown on Saturday which maybe is the cause of it.

On Sat, Mar 9, 2019 at 10:32 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Just an FYI
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> Respectfully,
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> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
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> ejohnson@lan-tel.com ☘
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> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> Begin forwarded message:
>
> **From:** ejohnson@Lan-Tel.com
> **Date:** March 9, 2019 at 10:32:00 AM EST
> **To:** Louie Madeira <louis.madeira@pd.boston.gov>, "Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski" <shawn.romanoski@pd.boston.gov>, kevin.cullen@pd.boston.gov, steven.whitman@pd.boston.gov, jrex@lan-tel.com, gwashburn@lan-tel.com, Savage Norbit <msavage@lan-tel.com>, spappas@lan-tel.com, enisbet@lan-tel.com, storressen@lan-tel.com, jburke@lan-tel.com
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Monday, March 11, 2019 9:30 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Cameras down

It did we were not aware (not DoITs fault)

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
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ejohnson@lan-tel.com ☘

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On Mar 11, 2019, at 9:29 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Begin forwarded message:

From: ejohnson@Lan-Tel.com
Date: March 9, 2019 at 10:32:00 AM EST
To: Louie Madeira <louis.madeira@pd.boston.gov>, "Shawn <RomanoskiS. bpd@cityofboston.gov> Romanoski" <shawn.romanoski@pd.boston.gov>, kevin.cullen@pd.boston.gov, steven.whitman@pd.boston.gov, jrex@lan-tel.com, gwashburn@lan-tel.com, Savage Norbit <msavage@lan-tel.com>, spappas@lan-tel.com, enisbet@lan-tel.com, storressen@lan-tel.com, jburke@lan-tel.com
Subject: Cameras down

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Approximately 25 cameras down between 2 sites .

Thanks
Eric

Respectfully,

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Sarah Plowman
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Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, March 11, 2019 9:33 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Cameras down

Ok thanks for the update!

On Mon, Mar 11, 2019 at 9:30 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> It did we were not aware (not DoITs fault)
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
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Date: March 9, 2019 at 10:32:00 AM EST
To: Louie Madeira <louis.madeira@pd.boston.gov>, "Shawn <RomanoskiS. bpd@cityofboston.gov> Romanoski" <shawn.romanoski@pd.boston.gov>, kevin.cullen@pd.boston.gov, steven.whitman@pd.boston.gov, jrex@lan-tel.com, gwashburn@lan-tel.com, Savage Norbit <msavage@lan-tel.com>, spappas@lan-tel.com, enisbet@lan-tel.com, storressen@lan-tel.com, jburke@lan-tel.com
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, March 11, 2019 10:32 AM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Recommendation for additional Blade server in each PSnet hosting center
Attachment(s): "Quote27362 (2).pdf"

Hi Chuck,

I requested the revised quote with the missing part number added, and they were quick to provide it. I've attached it again. I won't know which vendor we are using until we are putting a PO together because I do have to bid this out. Therefore, can you please review and let me know if there are other missing elements to this quote or other notes I should include in the bid process?

Thank you,
Sarah

On Fri, Mar 8, 2019 at 2:06 PM Chuck Wade <Chuck@interisle.net> wrote:

> Sarah,
>
> I have reviewed this quote. One significant concern is that I do not see the second processor, Part # 872012-B21, included in the quote. It is possible that this was included in the first item, but it doesn't look like it. The "L21" part number included in the quote is specifically for the first processor added to the Blade, and the "B21" part is the second processor.
>
> Note, I had specifically recommended a two-processor server with each processor having 8 cores. This is to get the new Blade servers to be similar to what we currently have deployed. Also, without the second processor, the HPE configuration checkers will throw out the quoted configuration.
>
> If possible, I would like to be able to work with the vendor you're going to use for this order. The reason I'm asking to be in the loop is so we can confirm that we are ordering new Blade servers that will be compatible with our current c3000 Blade Enclosures and associated switches. Also with the 3PAR systems.
>
> Thanks for sharing this quote with me...
> ...Chuck
>
> _____
> Chuck Wade, Principal
> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net
>
> On 3/8/19 12:37 PM, Sarah Plowman wrote:
>
> > Chuck & Eric,
> >
> > Please see quote attached for a single Blade Server. I realize I'd be ordering two, as we need one in each location. Can you please review and confirm that this meets our technical specification needs?
> >
> > Thanks,
> > Sarah
> >
> > On Sun, Feb 24, 2019 at 6:29 PM Chuck Wade <Chuck@interisle.net> wrote:
> >
> > > Scott, Sarah,
> > >
> > > After a lot of consideration, the PSnet team has determined that the most pressing need for additional capital investment in PSnet is to complete establishment of a fully robust virtualization environment at the Boston and Cambridge hosting centers to adequately support current, plus new applications hosted by PSnet for regional use.
> > >
> > > The current Blade systems each have two Blade servers with dual 8-core processors and 128 GB of memory. This provides adequate processing capacity for current workloads. However, for a virtualized environment to support fault tolerance and provide a resilient platform for Virtual Machines (VMs) and applications, three physical servers are needed at each hosting center (see below for the rationale). In other words, PSnet is constrained by not having the required minimum number of servers for a fully robust virtualized environment. At the same time, an additional server will provide more "headroom" for heavier workloads that are anticipated over the next couple of years.

There are many technical and operational advantages to using Blade servers deployed within a shared Blade enclosure that provides a fully integrated system environment for each additional Blade server. However, one downside is that Blade servers are priced at significant premiums. In addition, every server (whether or not a Blade) also requires software licenses for the hypervisor operating system (OS) that supports VMs as well as licenses for Windows OSs used by the individual VMs. Consequently, the total cost per server at list is ~$22,000.

The table below shows the items that need to be ordered along with published list prices.

Vendor	Description	Quantity	Unit Price	Ext. Price
HPE	BL 460c Gen 10 Blade Server for existing c3000 enclosures * Two Xeon 4110 CPUs w/8-cores at 2.1GHz * 128 GB Memory (4 x 32 GB DDR4-2666) * One 630FLB 2-port 20 Gbps FlexLOM Network adapter * Two 534M 2-port 10 Gbps FlexFabric Network adapter * One 1 TB SATA 6G Midline 7.2k SFF disk drive * One 8 GB Dual MicroSD USB Flash drive (for ESXi boot) * Trusted Platform Module 2.0 option * 3-year Proactive Care 24x7 Service	2	$13,467	$26,934
VMware	vSphere Standard (ESXi) per processor license w/ 1-yr support	4	$1,268	$5,072
Microsoft	Windows Server Datacenter 2012 R2 license OLP NL for 2 processors per server	2	$6,155	$12,310
		Totals:	**$22,158 per server**	**$44,316**

Since the above prices are list retail, it is likely that the final procurement prices would be 10% to 20% less.

A Bill of Materials is attached for the HPE Blade Server that was generated using HPE's publicly accessible configuration tool. This configuration was intentionally tailored to be equivalent to the currently deployed Blade Servers (BL 460c Gen 8). Note that there was no option to change the 1-year support contract from "Proactive" to "Foundation," which is all that PSnet needs.

Also, we are recommending that the same Microsoft Windows Server Datacenter 2012 R2 license be procured as was included with the original 2014 purchase of these Blade systems. A complete explanation is provided below for this recommendation.

Rationale for Adding a Third Server at each PSnet Hosting Center

In order to have a fully functional virtualization environment, each hosting center requires three physical servers. There are several reasons for this requirement, but probably the most compelling is that fault tolerant configurations require at least three physical servers to "vote" which servers are available or unavailable. This voting logic also applies to various services, individual VMs, and core management capabilities. The VMware vSphere virtualization environment used at the PSnet hosting centers is currently unable to handle degraded conditions in an automated manner since there are only two physical servers.

It is also worth emphasizing that the lack of a third server means that many normal maintenance procedures must be done manually. To be specific, any operation that requires a reboot of a server means that we must first migrate all VMs running on the server to the other server, then manually put the server into maintenance mode, perform the software or firmware upgrade, manually reboot the server, take it back out of maintenance mode, and finally migrate the VMs back to the server when it is fully back online. This procedure takes at least a half hour per physical server. With three servers, all of these steps can be automated and scheduled to take place at an appropriate time; e.g., the middle of the night.

Another benefit to operating with three servers is that vSphere is able to recover from server crashes on its own, often without disrupting VMs. In the current two-server configuration, a server going down will force all VMs active on that server to reboot on the other server. If we become capacity constrained, then it might not be possible to bring up all VMs on a single server.

Current Physical Server Deployments

The current PSnet hosting centers are each based on HPE c3000 Blade Enclosures with both Blade Servers and Switches. Although these Blade Enclosures will each support up to eight (8) Blade Servers, there are only two servers currently deployed per enclosure (or hosting center).

In order to add another server, all that is necessary is to insert a new Blade server into the enclosure. The enclosure provides all of the networking, including storage networking, as well as central server management, console access, redundant power, and redundant thermal management (i.e., blowers). Once

a Blade server is inserted, there are no additional cables required, and the new server will be fully integrated with the other servers in the enclosure along with all network connections at multiples of 10 Gbps.

It should be noted that each PSnet Blade Enclosure includes two redundant pairs of "Blade Switches." One pair provides normal network access to the rest of PSnet while the other is primarily used for Storage Area Networking (SAN) to connect the Blade Servers to the 3PAR storage systems. Since the 3PAR systems have their own redundant SAN interfaces and control logic, there are no single points of failure in the overall system. While each Blade server does have one local disk drive, the purpose of this drive is to support management and maintenance functions, primarily for managing the 3PAR systems and virtualization environment. All other storage is provided by the 3PAR systems and shared across all Blade servers and VMs.

vSphere Hypervisor and Windows OS Deployments

Once a new Blade Server is installed and brought online, it will be necessary to install the VMware vSphere hypervisor known as ESXi. This is a straight-forward OS installation requiring about a half hour, and is normally a one-time procedure. When the ESXi host hypervisor is booted up, it will then be integrated into the VMware vCenter virtualization management system, which will handle all software updates and integration with other servers in the local cluster as well as the other datacenter server cluster.

Licensing Issues and Pricing for VMware vSphere

Each new vSphere ESXi host will require a VMware license for each processor included with the server. The recommended hardware configuration for a new Blade Server includes two processors, each with 8 cores. This means two vSphere licenses per server, for a total of four new vSphere licenses. At this time, PSnet is using vSphere Standard, which has a list license price of $995 per processor, but must be purchased with at least one year of basic support at $273 per processor for a total of $1,268 per processor. If purchased with a 3-year support contract, the per processor list price would be $1,716. This equates to $224 per additional year of support.

Assuming that a single year of support is ordered, then the cost to license two new 2-processor servers would be four times $1,268, or $5,072 with one year of support included. If the 3-year support option is purchased, then the total cost would come to $6,864. The recommendation would be to go with the 1-year support option. It is also recommended that this be purchased directly from VMware, although this could be ordered from HPE as part of the Blade Server purchase.

Licensing Issues and Pricing for Microsoft Windows Server

Currently, PSnet is licensed to run Windows Server 2012 R2 "Datacenter" on each of the four Blade Servers. The licensing model used by Microsoft for this version of Windows Server was per server with up to two processors, and allows running an unlimited number of Windows Server 2012 Virtual Machines (VMs). This is completely adequate for PSnet applications and planned use over the next few years, and there are no compelling reasons to go to newer versions of Windows Server. Microsoft has announced that Windows Server 2012 Datacenter will be fully supported until October 10, 2023, with additional support available after that date for a price.

However, what is important to consider is that newer versions of Windows Server (2016 or 2019) employ a new licensing model based on cores, rather than processors. In addition, only Windows hypervisors will have any option for running unlimited VMs. For a vSphere environment, only two VMs are licensed, and an additional per-core license is required each time that two more VMs are to be run at the same time on the same server. Further complicating matters, each server must be fully licensed for the maximum number of VMs that might run on that server at any point in time.

If this new licensing model were to be applied to the current servers in the PSnet hosting centers, then each server would need to be able to run up to 12 Windows Server VMs based on the current VM deployments. In reality these 12 VMs are distributed between the two servers in each hosting center for an average of 6 VMs per server, but if the VMs need to be migrated at least temporarily from one server to the other (which they do) then each server would have to be licensed for all 12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

For comparison purposes, the original purchase back in 2014 of the two Blade systems with two servers

each (four servers in total) included Windows Server 2012 R2 Datacenter licenses at $4,385 per server, or $17,540 in total. It is clear that licensing costs for the 2016 or 2019 versions could be considerably more expensive, though probably not 6 times as expensive as the original 2012 licenses that were acquired for PSnet. The reason is that the Datacenter license only makes sense for Microsoft customers that will use Microsoft's hypervisor. For customers using other hypervisors, such as vSphere ESXi, it only makes sense to purchase licenses *à la carte.* It turns out that, for the 12 VMs in this example, the pricing between 2012 and 2016/2019 versions is similar.

There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

It should be possible to still acquire actual Windows Server 2012 R2 Datacenter licenses from multiple sources. This would be consistent with the current PSnet deployments, and highly preferred for a variety of reasons, including reduction in management overhead to track per-VM licensing. However, purchasing 2016 or 2019 licenses and downgrading to 2012 is not an attractive option, since the newer licensing model would then apply to the 2012 installation.

The other complicating aspect of Microsoft server licensing is the requirement for Client Access Licenses (CALs), either on a per device or per user basis. With the original 2014 order, 100 User CALs were acquired at $24.25 each, for a total cost of $2,425. At this time, 100 CALs should continue to be sufficient, even with the addition of a third server at each hosting center. The CALs are required for any user that accesses applications running on a Windows Server 2012 VM running on any server in either hosting center, though this is generally assumed to not apply to system administrators.

Of course, there are other types of CALs that might be used with the PSnet Windows installations, including separate CALs for users using Remote Desktop to access Windows VMs, and CALs used for Microsoft SQL or SharePoint. The 2014 Blade system order included 100 CALs for SQL at total cost of $15,400. Based on current usage, these CALs are adequate at this time.

In order to get an accurate price estimate for any Windows Server licenses we will need to go through an authorized seller that can advise on Microsoft licensing obligations.

I am happy to answer any questions, and we can present these recommendations to the PSnet EC at Tuesday's meeting.

...Chuck

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, March 11, 2019 11:48 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: LAN-TEL camera work in the MBHSR

Hi Eric,

Just wanted to follow up on this thread again. At the most recent Critical Infrastructure meeting, the subcommittee discussion touched on various camera projects going on across the region. This stemmed in part from Marathon Prep, but also just by way of CIMS updates and all that. The group wanted to come together specifically to talk about cameras, and to that end I've set up a meeting with at least one stakeholder from each community who has some point of connection with the CIMS cameras and/or their own community cameras. We're going to be meeting next week, Tuesday March 19, at 2pm at the Brookline Police Department. I'm going to be sending out a Google calendar invite shortly and I will put you on it because the group would like for you to attend if you are available and speak to updates you all are working on, or ideas or concerns you have, etc. I'll be adding a bullet point to the agenda for "LAN-TEL Updates" to reflect that. If you're able to attend, please do. If you have other things going on that day, perhaps you can either send another LAN-TEL representative who works with CIMS, or you can email out ahead of time some of those things and I can share them with the group in your absence.

Thanks!
Sarah

On Fri, Feb 22, 2019 at 3:03 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Thank you for clarifying and you have my word if someone tries to push something without the proper steps , I will bring to OEM's attention or recommend that we have that particular stakeholder contact you directly .
>
> Have a great weekend as well !
>
> Eric
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

On Feb 22, 2019, at 2:56 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Thanks for the thoughtful reply. Yes, I know that this is how you have operated. I just wanted to document again. My concern is more with the stakeholders themselves, who sometimes are not aware of the various PO's in place and are eager to initiate projects. I will also be stressing to them that they must ensure that projects have received all of the appropriate approvals and are tied into current contracts prior to beginning work. If they are ever impatient with you because they assume work can begin when in fact we are still corralling all of those details, you can refer them to my previous email below and let OEM take the heat for any "delays." The stakeholders' intentions are good, but they are not always up to date on the processes. For that reason, I wanted to be sure that all of us are on the same page, hence my emails. If I do hear of a particular instance in which someone jumped the gun somehow, I will certainly bring that to you. But this communication was to be proactive rather than reactive. :)

Regarding a CIMS working group - yes this used to exist. The Critical Infrastructure subcommittee, under which that group belonged, discussed this very thing in October I believe. For the time being they prefer to operate as an entire subcommittee rather than re-initiate a subset working group. That being said, I do hear your rationale regarding having more focused CIMS conversations, and perhaps we can schedule a one-off meeting or incorporate a formal CIMS/LAN-TEL update at one of the spring subcommittee meetings. That's a good thought and I'll pass it along to the subcommittee chair.

Thanks again for all that you do for the Region. LAN-TEL has been a great partner for a number of years and we value your services!

Have a good weekend,
Sarah

On Fri, Feb 22, 2019 at 2:02 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Good afternoon , understood on your email . That's how we have always operated and will continue to do so .
>
> While it is tough navigating the different parameters , I believe we keep our demarcations within the POs issued with strict adherence.
>
> If your email is based on anything you may of heard, Is there an insistence of where we did work without OEM not knowing ? Because I cannot think of anything off the top of my head.
>
> Please know that with some of the UASI cities and towns that we maintain with CIMs and PSNET contracts , we also have direct
> contracts to maintain other internal camera systems that are not affected by OEM.
>
> Example :BPD cell system and District cameras , Somerville internal , etc)
>
> I hope that is being taken into consideration and not being misconstrued as CIMs or PSNET work .
>
> On another note and I discussed this with Scott Wilder recently . While we have many meetings on PSNET and a smaller footprint with stakeholders , we never have any CIMS meetings where we have more day to day dealings with stakeholders and a ton of more equipment.
>
> Could we possibly make this an actionable item to accomplish a few meetings regarding CIMS and maybe the message of what can or cannot be done will be repeated and certified in these meetings ?
>
> Just a thought ?
>
> Thanks ! and please let me know if we have done anything to go outside any bounds within the contracts.
>
> Eric
>
> Respectfully,

Eric Johnson
Project Manager
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http://linkedin.com/in/eric-johnson-9702a62b.

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On Feb 22, 2019, at 1:01 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

I know we've got a lot of camera work going on in the Region right now, and many stakeholders are eager to replace cameras, install new ones, get quotes for future target hardening projects, etc, even make use of the mobile response unit and deploy other LAN-TEL services.

To that end, I want to say by way of reminder that any time you are asked by a MBHSR stakeholder to install new equipment or relocate existing equipment elsewhere, or deploy other services, you need to first reach out to OEM to confirm that the work has been approved prior to beginning. Often times as you well know we need to get FEMA approval for installations and relocation work. We also have several PO's with LAN-TEL currently, and while a stakeholder may think they are asking for work done under an existing PO, it's entirely possible that the scope of work falls outside of that contract and must be procured anew.

I will be reminding the subcommittee members of this next week again as well. But just wanted to send this out now as the weather gets nice enough to begin a new season of outdoor camera (and other) work.

Thanks,
Sarah

--
Sarah Plowman
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From: Chuck Wade <Chuck@Interisle.net>
Sent: Monday, March 11, 2019 12:07 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>
Subject: Re: Recommendation for additional Blade server in each PSnet hosting center
Attachment(s): "smime.p7s"

Sarah,

This looks better. It essentially repeats the configuration I extracted from the HPE configuration tool.

I suggest that the RFP or RFQ stipulate that the new Blade servers must be compatible with our existing c3000 Blade Enclosures, Blade switches, and 3PAR storage systems. It might help to also stipulate that we use iSCSI for the 3PAR SAN. The new Blade servers should also be compatible with the latest version of VMware vSphere with vCenter (at least version 6.7 Update 1). If necessary, I could provide you with a system inventory, or the HPE system numbers that can be used to cross-check the configurations. Unfortunately, the HPE configuration tool that I am able to access does not perform cross-checks against existing system configurations.

The reason I was asking to be "in the loop" for this order is that I would actually like to get some advice from people knowledgeable with HPE server configurations. Obviously, I don't do this every day myself, and even though I have thoroughly scrutinized the available HPE documentation, there can be issues with how systems are integrated that are not documented. As an example, I could not find documentation on what TPM configuration we should use for compatibility with the vSphere ESXi hypervisor. I included the no-cost "HPE Gen10 TPM 1.2 FIO Setting" (872108-B21) as a guess, but I'd really like to understand what this undocumented option does, or does not, provide.

Trying to confirm complex configuration issues while working through 2 or 3 levels of indirection makes this a bit of a challenge.

One other issue to consider is whether there would be any advantages (*real* advantages!) to acquiring either or both the Windows Server 2012R2 Datacenter licenses or the vSphere licenses from HPE. I don't believe this to be the case, and I would be particularly concerned about getting the Windows Server license through them. But it is hard for me to explore these issues without having a dialog with HPE or their reseller.

As a reminder, we really do need to acquire a true Windows Server 2012R2 Datacenter license, and not a downgrade-able Windows Server 2016 or 2019 Datacenter license, since that would force us into the new Microsoft licensing model.

...Chuck

Chuck Wade, Principal
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On 3/11/19 10:32 AM, Sarah Plowman wrote:

> Hi Chuck,
>
> I requested the revised quote with the missing part number added, and they were quick to provide it. I've attached it again. I won't know which vendor we are using until we are putting a PO together because I do have to bid this out. Therefore, can you please review and let me know if there are other missing elements to this quote or other notes I should include in the bid process?
>
> Thank you,
> Sarah
>
> On Fri, Mar 8, 2019 at 2:06 PM Chuck Wade <Chuck@interisle.net> wrote:
>
>> Sarah,
>>
>> I have reviewed this quote. One significant concern is that I do not see the second processor, Part # 872012-B21, included in the quote. It is possible that this was included in the first item, but it doesn't look like it. The "L21" part number included in the quote is specifically for the first processor added to the Blade, and the "B21" part is the second processor.
>>
>> Note, I had specifically recommended a two-processor server with each processor having 8 cores. This is to get the new Blade servers to be similar to what we currently have deployed. Also, without the second processor, the HPE configuration checkers will throw out the quoted configuration.

If possible, I would like to be able to work with the vendor you're going to use for this order. The reason I'm asking to be in the loop is so we can confirm that we are ordering new Blade servers that will be compatible with our current c3000 Blade Enclosures and associated switches. Also with the 3PAR systems.

Thanks for sharing this quote with me...
...Chuck

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On 3/8/19 12:37 PM, Sarah Plowman wrote:

> Chuck & Eric,
>
> Please see quote attached for a single Blade Server. I realize I'd be ordering two, as we need one in each location. Can you please review and confirm that this meets our technical specification needs?
>
> Thanks,
> Sarah
>
> On Sun, Feb 24, 2019 at 6:29 PM Chuck Wade <Chuck@interisle.net> wrote:
>
>> Scott, Sarah,
>>
>> After a lot of consideration, the PSnet team has determined that the most pressing need for additional capital investment in PSnet is to complete establishment of a fully robust virtualization environment at the Boston and Cambridge hosting centers to adequately support current, plus new applications hosted by PSnet for regional use.
>>
>> The current Blade systems each have two Blade servers with dual 8-core processors and 128 GB of memory. This provides adequate processing capacity for current workloads. However, for a virtualized environment to support fault tolerance and provide a resilient platform for Virtual Machines (VMs) and applications, three physical servers are needed at each hosting center (see below for the rationale). In other words, PSnet is constrained by not having the required minimum number of servers for a fully robust virtualized environment. At the same time, an additional server will provide more "headroom" for heavier workloads that are anticipated over the next couple of years.
>>
>> There are many technical and operational advantages to using Blade servers deployed within a shared Blade enclosure that provides a fully integrated system environment for each additional Blade server. However, one downside is that Blade servers are priced at significant premiums. In addition, every server (whether or not a Blade) also requires software licenses for the hypervisor operating system (OS) that supports VMs as well as licenses for Windows OSs used by the individual VMs. Consequently, the total cost per server at list is ~$22,000.
>>
>> The table below shows the items that need to be ordered along with published list prices.
>>
>> | Vendor | Description | Quantity | Unit Price | Ext. Price |
>> |---|---|---|---|---|
>> | HPE | BL 460c Gen 10 Blade Server for existing c3000 enclosures
* Two Xeon 4110 CPUs w/8-cores at 2.1GHz
* 128 GB Memory (4 x 32 GB DDR4-2666)
* One 630FLB 2-port 20 Gbps FlexLOM Network adapter
* Two 534M 2-port 10 Gbps FlexFabric Network adapter
* One 1 TB SATA 6G Midline 7.2k SFF disk drive
* One 8 GB Dual MicroSD USB Flash drive (for ESXi boot)
* Trusted Platform Module 2.0 option
* 3-year Proactive Care 24x7 Service | 2 | $13,467 | $26,934 |
>> | VMware | vSphere Standard (ESXi) per processor license w/ 1-yr support | 4 | $1,268 | $5,072 |

Microsoft	Windows Server Datacenter 2012 R2 license OLP NL for 2 processors per server	2	$6,155	$12,310
		Totals:	**$22,158 per server**	**$44,316**

Since the above prices are list retail, it is likely that the final procurement prices would be 10% to 20% less.

A Bill of Materials is attached for the HPE Blade Server that was generated using HPE's publicly accessible configuration tool. This configuration was intentionally tailored to be equivalent to the currently deployed Blade Servers (BL 460c Gen 8). Note that there was no option to change the 1-year support contract from "Proactive" to "Foundation," which is all that PSnet needs.

Also, we are recommending that the same Microsoft Windows Server Datacenter 2012 R2 license be procured as was included with the original 2014 purchase of these Blade systems. A complete explanation is provided below for this recommendation.

Rationale for Adding a Third Server at each PSnet Hosting Center

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Licensing Issues and Pricing for Microsoft Windows Server

Currently, PSnet is licensed to run Windows Server 2012 R2 "Datacenter" on each of the four Blade Servers. The licensing model used by Microsoft for this version of Windows Server was per server with up to two processors, and allows running an unlimited number of Windows Server 2012 Virtual Machines (VMs). This is completely adequate for PSnet applications and planned use over the next few years, and there are no compelling reasons to go to newer versions of Windows Server. Microsoft has announced that Windows Server 2012 Datacenter will be fully supported until October 10, 2023, with additional support available after that date for a price.

However, what is important to consider is that newer versions of Windows Server (2016 or 2019) employ a new licensing model based on cores, rather than processors. In addition, only Windows hypervisors will have any option for running unlimited VMs. For a vSphere environment, only two VMs are licensed, and an additional per-core license is required each time that two more VMs are to be run at the same time on the same server. Further complicating matters, each server must be fully licensed for the maximum number of VMs that might run on that server at any point in time.

If this new licensing model were to be applied to the current servers in the PSnet hosting centers, then each server would need to be able to run up to 12 Windows Server VMs based on the current VM deployments. In reality these 12 VMs are distributed between the two servers in each hosting center for an average of 6 VMs per server, but if the VMs need to be migrated at least temporarily from one server to the other (which they do) then each server would have to be licensed for all 12 VMs. Since each server has 16 cores, we would need 12 divided by 2 licenses for each core, or 6 times 16 core licenses for a total of 96 licenses per server. This needs to be multiplied by 2 again for the two new Blade servers that are proposed.

This is not quite as expensive as it seems on the surface. This is because Microsoft priced a 16-core license bundle for Windows Server 2016 or 2019 to be about the same as for a Windows Server 2012 license for two processors. Where additional costs and complexity come into play is with the requirement to have licenses for the physical hardware server for each pair of VMs running on that server. So, if we want to have licensing for 12 VMs per server, then we would be paying 6 times as much. As an aside, the per VM licensing does not apply to VMs running on the Datacenter edition of Microsoft's own hypervisor, so it would seem this is a strategy to displace VMware vSphere in the market.

For comparison purposes, the original purchase back in 2014 of the two Blade systems with two servers each (four servers in total) included Windows Server 2012 R2 Datacenter licenses at $4,385 per server, or $17,540 in total. It is clear that licensing costs for the 2016 or 2019 versions could be considerably more expensive, though probably not 6 times as expensive as the original 2012 licenses that were acquired for PSnet. The reason is that the Datacenter license only makes sense for Microsoft customers that will use Microsoft's hypervisor. For customers using other hypervisors, such as vSphere ESXi, it only makes sense to purchase licenses *à la carte.* It turns out that, for the 12 VMs in this example, the pricing between 2012 and 2016/2019 versions is similar.

There are two major concerns for PSnet moving to the new Microsoft licensing model. One is complexity, since we would have to track VM usage, and be able to respond to audit demands

from Microsoft. The other really is cost, since PSnet is likely to use more VMs than would be typical of other use cases. This is because PSnet will support multiple vendors' applications in the hosting centers, and the best way to manage multiple vendors sharing the same virtualized environment would be to give each vendor its own VMs. In other words, it is quite likely that the number of VMs will go up with each new application deployed.

It should be possible to still acquire actual Windows Server 2012 R2 Datacenter licenses from multiple sources. This would be consistent with the current PSnet deployments, and highly preferred for a variety of reasons, including reduction in management overhead to track per-VM licensing. However, purchasing 2016 or 2019 licenses and downgrading to 2012 is not an attractive option, since the newer licensing model would then apply to the 2012 installation.

The other complicating aspect of Microsoft server licensing is the requirement for Client Access Licenses (CALs), either on a per device or per user basis. With the original 2014 order, 100 User CALs were acquired at $24.25 each, for a total cost of $2,425. At this time, 100 CALs should continue to be sufficient, even with the addition of a third server at each hosting center. The CALs are required for any user that accesses applications running on a Windows Server 2012 VM running on any server in either hosting center, though this is generally assumed to not apply to system administrators.

Of course, there are other types of CALs that might be used with the PSnet Windows installations, including separate CALs for users using Remote Desktop to access Windows VMs, and CALs used for Microsoft SQL or SharePoint. The 2014 Blade system order included 100 CALs for SQL at total cost of $15,400. Based on current usage, these CALs are adequate at this time.

In order to get an accurate price estimate for any Windows Server licenses we will need to go through an authorized seller that can advise on Microsoft licensing obligations.

I am happy to answer any questions, and we can present these recommendations to the PSnet EC at Tuesday's meeting.

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
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+1 508 277-6439 Mobile
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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 12, 2019 10:48 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Fw: MACU One Pager

Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).

Also - have you offered the MACU services through a state contract vehicle before? I know CIMS is on a state contract.

On Tue, Feb 12, 2019 at 3:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Thank you Sarah , We had a rate of $2500.00 that gets the truck and a technician for an event.
>
> ---
>
> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Tuesday, February 12, 2019 3:42 PM
> **To:** Eric Johnson
> **Cc:** Jeff Everett Police
> **Subject:** Re: Fw: MACU One Pager
>
> Thanks for this. What we need to understand is the cost/rate per use (is it hourly and if so how much, or is it per event/day - and how much?). We also need to put into place a management structure so that we'll know when it has been reserved, and how to resolve issues like two different jurisdictions requesting use on the same day.
>
> Finally, I'll note that we do not yet have a contract in place to use this unit. I will need to investigate how to get the various approvals in place, and figure out which state contract (or other mechanism) would work as a contract vehicle.
>
> This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!
>
> On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> ---
>
> **From:** Eric Johnson
> **Sent:** Tuesday, November 27, 2018 4:16 PM
> **To:** brenda.jones@boston.gov
> **Subject:** Fwd: MACU One Pager
>
> Per your request
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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--
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Fax: 617.635.2974
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Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Tuesday, March 12, 2019 10:59 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: MACU One Pager

I guess we would prorate accordingly and if they need a tech . Etc . We will work with all communities . We have not worked this as a state contract since municipalities outside of UASi have only contracted for 1 day and under the threshold of state contract

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).

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Project Manager
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ejohnson@lan-tel.com

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>

Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 12, 2019 12:11 PM EDT
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?= <sobyrne@lan-tel.com>>; Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>
Subject: Re: LAN-TEL/City of Boston PO # 698448 Inv # 9918801 19-0007-20

Thank you! I have submitted this for payment.

On Fri, Mar 8, 2019 at 3:38 PM Dennis Drain <ddrain@lan-tel.com> wrote:

> I have attached a copy of our invoice for the above referenced job.
>
> Thank you.
>
> Dennis Drain
> Controller
> Suite 3100
> 1400 Providence Highway
> Norwood, MA 02062
> Phone 781-680-5906
> Fax: 781-551-8667
> ddrain@lan-tel.com
> FOLLOW US: Twitter | LinkedIn | Facebook
>
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, March 12, 2019 2:42 PM EDT
To: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
CC: Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>
Subject: PSnet: Ordering Windows Server 2012R2 Datacenter licenses and RDS CALs
Attachment(s): "smime.p7s"

Sarah,

Here are three links that can be used to order Windows Server 2012R2 Datacenter OLP:

- **Direct Deals** | Price: $5,689.99
  https://www.directdeals.com/Windows-Server-2012-R2-Datacenter---2-Processor-License-OLP/P71-07714-L.htm
- **Royal Discount** | Price: $5,988.48 (scroll down to P/N: P71-07835)
  https://www.royaldiscount.com/products/microsoft/windows-server/2012/product-family/windows-server/user-type/business.html
- **MyChoice Software** | Price: $6,299.99
  https://www.mychoicesoftware.com/collections/filter-microsoft-windows-server/filter-edition-datacenter+filter-release-2012+filter-license-open-business

In addition, my research into Microsoft licensing issues (there are some people who make their careers out of navigating the complexities of M$ licensing), I have come to realize that we also need Client Access Licenses (a.k.a., "CALs") for using Remote Desktop Services (RDS). In this case, we don't need to worry about which version of Windows, since RDS CALs can be used for the server version they were ordered for, as well as prior server versions. In other words, if we order Windows Server 2019 RDS CALs, they would work for 2019, 2016, 2012, and even 2008 versions of Windows Server RDS.

There are two types of RDS CALs, (1) "user" and (2) "device." In PSnet, the user CALs are what we need. These should be straight forward to order from any source of Microsoft software, and should be on the GSA price schedule, as well as the State Contract for Microsoft products.

Here is one listing to give you an example:

- **Direct Deals** | 10-pack Windows 2019 RDS CALs OLP | Price $1,250.99
  https://www.directdeals.com/windows-2019-remote-desktop-services-10-user-cals-olp.aspx

A 10-pack is what we need at a minimum to be compliant. Ideally, we could use twice that number, and may need even more in the future. We will also need to install Microsoft's licensing service to keep track of these RDS CALs, but that monkey is on our backs, and there shouldn't be anything further to order.

Since this is getting confusing, let me point out that there are three types of CALs we need to use:

- **Windows Server CALs:** These are necessary for any user to be able to access services delivered by a Windows Server system. However, any version of normal desktop/laptop Windows Pro or Windows Enterprise comes with a CAL for accessing Windows Servers. However, anyone not using Windows Pro or Enterprise must have a CAL. This would include macOS or Linux users, or someone with a Windows Home system.
  In the original order, 100 Windows Server 2012 user CALs were included at $24.25 each
- **Microsoft SQL CALs:** Required for any user accessing the MS SQL service. This includes SharePoint users, since SharePoint uses SQL. In this case, it doesn't matter what version of Windows someone is using, they will require a CAL to legitimately access an SQL server.
  In the original order, 100 Microsoft SQL 2012 user CALs were included at $154.00 each
- **Windows Remote Desktop Services CALs:** These are required for any user, no matter what operating system they are using, to be able to legitimately use Remote Desktop Services.
  The original order did not include any RDS CALs, though it should have.

Keep in mind that CALs are associated with users or devices, and allow access to any Microsoft servers. In other words, PSnet needs to have CALs for users/devices that access our systems, but once a CAL is assigned, it can be used for any Microsoft service offered via PSnet. From a practical perspective, we will have to use "user" CALs, since "device" CALs do not make sense for our usage models.

Is you head spinning, yet? I could go on further if you want?

Thanks for pushing the buttons to get this stuff ordered.

...Chuck

--

Chuck Wade, Principal
Interisle Consulting Group
+1 508 435-3050 Office

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

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, March 12, 2019 3:03 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting - Status Report
Attachment(s): "Security Camera Strategy Meeting_3-13-19.docx"

Attached is the report for tomorrow's meeting.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 12, 2019 3:07 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>
Subject: Re: PSnet: Ordering Windows Server 2012R2 Datacenter licenses and RDS CALs

Thanks. I'm going to read this more slowly later, but for now - I had reached out to CDW-G about the VMware portion and mentioned the 2012 MS licensing to see if they sold that, too. He asked a series of Qs... can you fill in the blanks?

How many physical servers will be covered with Windows Server licensing or hosting Windows Servers in a virtual environment?

How many physical processors are in each physical server?

How many cores are in each processor?

How many virtual Windows Servers will run on each physical server?

With or without SA?

Thanks,
Sarah

On Tue, Mar 12, 2019 at 2:42 PM Chuck Wade <Chuck@interisle.net> wrote:

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> https://www.royaldiscount.com/products/microsoft/windows-server/2012/product-family/windows-server/user-type/business.html
> - **MyChoice Software** | Price: $6,299.99
> https://www.mychoicesoftware.com/collections/filter-microsoft-windows-server/filter-edition-datacenter+filter-release-2012+filter-license-open-business
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--

Sarah Plowman
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Sent: Tuesday, March 12, 2019 3:27 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>
Subject: Re: PSnet: Ordering Windows Server 2012R2 Datacenter licenses and RDS CALs
Attachment(s): "smime.p7s"

Sarah,

Let me try to answer these questions:

1. How many physical servers will be covered with Windows Server licensing or hosting Windows Servers in a virtual environment?
    - We need WS2012R2DC licenses for two (2) physical servers.
    - Each server will run vSphere ESXi hypervisor, NOT the Windows Server hypervisor.
2. How many physical processors are in each physical server?
    - Each physical server has two (2) processors
3. How many cores are in each processor?
    - Each processor has eight (8) cores, for a total of 16 cores per physical server
    - For the record, the current servers are each BL460c Gen8 with two processors with 8 cores per processor. The new servers should be BL460c Gen10, but with two processors with 8 cores each.
4. How many virtual Windows Servers will run on each physical server?
    - Lots!
    - We are currently running about a dozen Windows VMs (VOSE's in MS parlance) per data center (per HPE c3000 enclosure). This number is expected to go up by around 5. to 10 over the coming year.
    - Since we are using vSphere DRS and HA, we need the ability to migrate these VMs between physical hosts on the fly, so we have to have licensing for all VMs on all physical servers.
    - There are also quite a few VMs running various flavors of Linux.
5. With or without SA?
    - Currently, we are not using Software Assurance (SA). It does not seem that we need this for our environment.
    - For the record, the original order was for:
      OLP GOVT WIN SVR DATACTR 2012R2 NL 2PROC QLFD

I hope this provides the information sought...

...Chuck

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

On 3/12/19 3:07 PM, Sarah Plowman wrote:

> Thanks. I'm going to read this more slowly later, but for now - I had reached out to CDW-G about the VMware portion and mentioned the 2012 MS licensing to see if they sold that, too. He asked a series of Qs... can you fill in the blanks?
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> Thanks,
> Sarah
>
> On Tue, Mar 12, 2019 at 2:42 PM Chuck Wade <Chuck@interisle.net> wrote:
>
>> Sarah,
>>
>> Here are three links that can be used to order Windows Server 2012R2 Datacenter OLP:

- **Direct Deals** | Price: $5,689.99
  https://www.directdeals.com/Windows-Server-2012-R2-Datacenter---2-Processor-License-OLP/P71-07714-L.htm
- **Royal Discount** | Price: $5,988.48 (scroll down to P/N: P71-07835)
  https://www.royaldiscount.com/products/microsoft/windows-server/2012/product-family/windows-server/user-type/business.html
- **MyChoice Software** | Price: $6,299.99
  https://www.mychoicesoftware.com/collections/filter-microsoft-windows-server/filter-edition-datacenter+filter-release-2012+filter-license-open-business

In addition, my research into Microsoft licensing issues (there are some people who make their careers out of navigating the complexities of M$ licensing), I have come to realize that we also need Client Access Licenses (a.k.a., "CALs") for using Remote Desktop Services (RDS). In this case, we don't need to worry about which version of Windows, since RDS CALs can be used for the server version they were ordered for, as well as prior server versions. In other words, if we order Windows Server 2019 RDS CALs, they would work for 2019, 2016, 2012, and even 2008 versions of Windows Server RDS.

There are two types of RDS CALs, (1) "user" and (2) "device." In PSnet, the user CALs are what we need. These should be straight forward to order from any source of Microsoft software, and should be on the GSA price schedule, as well as the State Contract for Microsoft products.

Here is one listing to give you an example:

- **Direct Deals** | 10-pack Windows 2019 RDS CALs OLP | Price $1,250.99
  https://www.directdeals.com/windows-2019-remote-desktop-services-10-user-cals-olp.aspx

A 10-pack is what we need at a minimum to be compliant. Ideally, we could use twice that number, and may need even more in the future. We will also need to install Microsoft's licensing service to keep track of these RDS CALs, but that monkey is on our backs, and there shouldn't be anything further to order.

Since this is getting confusing, let me point out that there are three types of CALs we need to use:

- **Windows Server CALs:** These are necessary for any user to be able to access services delivered by a Windows Server system. However, any version of normal desktop/laptop Windows Pro or Windows Enterprise comes with a CAL for accessing Windows Servers. However, anyone not using Windows Pro or Enterprise must have a CAL. This would include macOS or Linux users, or someone with a Windows Home system.
  In the original order, 100 Windows Server 2012 user CALs were included at $24.25 each
- **Microsoft SQL CALs:** Required for any user accessing the MS SQL service. This includes SharePoint users, since SharePoint uses SQL. In this case, it doesn't matter what version of Windows someone is using, they will require a CAL to legitimately access an SQL server.
  In the original order, 100 Microsoft SQL 2012 user CALs were included at $154.00 each
- **Windows Remote Desktop Services CALs:** These are required for any user, no matter what operating system they are using, to be able to legitimately use Remote Desktop Services.
  The original order did not include any RDS CALs, though it should have.

Keep in mind that CALs are associated with users or devices, and allow access to any Microsoft servers. In other words, PSnet needs to have CALs for users/devices that access our systems, but once a CAL is assigned, it can be used for any Microsoft service offered via PSnet. From a practical perspective, we will have to use "user" CALs, since "device" CALs do not make sense for our usage models.

Is you head spinning, yet? I could go on further if you want?

Thanks for pushing the buttons to get this stuff ordered.

...Chuck

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Chuck Wade, Principal
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--

Sarah Plowman
Regional Planner

Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, March 12, 2019 3:55 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>
Subject: Re: PSnet: Ordering Windows Server 2012R2 Datacenter licenses and RDS CALs
Attachment(s): "smime.p7s"

Sarah,

I probably used the wrong acronym expansion for "SA" in responding to question #5. Based on context, I believe this question pertains to whether we need "Security Assurance," which is a suite of additional services that Microsoft provides for enterprise security functions. However, most of these services are not needed in the PSnet environment, or we have other controls in place that already meet our security needs. My read of Security Assurance is that this only makes sense in an all Microsoft product context.

So, my answer remains that I do not believe we need SA. Also, we do not have SA with our current Windows Server licenses.

Just keep in mind, I am providing the best answers I can in a realm that is quite complex, with many interpretations offered from many diverse sources.

...Chuck

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

On 3/12/19 3:27 PM, Chuck Wade wrote:

> Sarah,
>
> Let me try to answer these questions:
>
> 1. How many physical servers will be covered with Windows Server licensing or hosting Windows Servers in a virtual environment?
>   - We need WS2012R2DC licenses for two (2) physical servers.
>   - Each server will run vSphere ESXi hypervisor, NOT the Windows Server hypervisor.
> 2. How many physical processors are in each physical server?
>   - Each physical server has two (2) processors
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>
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> >   https://www.royaldiscount.com/products/microsoft/windows-server/2012/product-family/windows-server/user-type/business.html
> > - **MyChoice Software** | Price: $6,299.99
> >   https://www.mychoicesoftware.com/collections/filter-microsoft-windows-server/filter-edition-datacenter+filter-release-2012+filter-license-open-business
> >
> > In addition, my research into Microsoft licensing issues (there are some people who make their careers out of navigating the complexities of M$ licensing), I have come to realize that we also need Client Access Licenses (a.k.a., "CALs") for using Remote Desktop Services (RDS). In this case, we don't need to worry about which version of Windows, since RDS CALs can be used for the server version they were ordered for, as well as prior server versions. In other words, if we order Windows Server 2019 RDS CALs, they would work for 2019, 2016, 2012, and even 2008 versions of Windows Server RDS.
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Is you head spinning, yet? I could go on further if you want?

Thanks for pushing the buttons to get this stuff ordered.

...Chuck

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Fred Goldstein <fred@interisle.net>
Sent: Wednesday, March 13, 2019 4:01 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>
Subject: Specifications/BoM for Bridgewave Navigator microwave radios

We have worked with Bridgewave to identify the specific parts to order for 18 and 23 GHz microwave links using the Navigator ST. These can be ordered through CDW, who can quote an actual retail price. As specified here, these radios should be usable for any frequency we get coordination for on the 18 or 23 GHz band.

18GHz ST 1+0 radios with 200Mb Capacity

Qty	BW Part#	Description
1	418030000060200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	418030000061200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

We also need antennas. CDW should also be able to quote these, as can Tessco, but if they can't, I can recommend other vendors.

For each 23 GHz radio:
RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

--

Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
+1 617 795 2701

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 13, 2019 6:12 PM EDT
To: sarah.plowman@boston.gov
Subject: Fwd: Specifications/BoM for Bridgewave Navigator microwave radios

Sarah
Pardon my email , but I'm lost on what we are doing here .
Sorry

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: Fred Goldstein <fred@interisle.net>
Date: March 13, 2019 at 4:01:47 PM EDT
To: Sarah Plowman <sarah.plowman@boston.gov>
Cc: Eric Johnson <ejohnson@Lan-Tel.com>, Chuck Wade <Chuck@Interisle.net>
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		418030000060200	

1		INTERFACE,STANDARD CONFIGURATION
	418030000061200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA
1		INTERFACE,STANDARD CONFIGURATION
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2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
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2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA
1		INTERFACE,STANDARD CONFIGURATION
	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA
1		INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

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2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

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Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
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*****WARNING**** This email was sent from outside of LAN-TEL

This email and any files transmitted with it are confidential information of LAN-TEL Communications, Inc. and intended solely for the use of the individual or entity to whom they are addressed. If you are not the intended recipient you hereby are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this email or the information contained in, or attached to, this email is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender and delete this e-mail from your computer system.

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, March 14, 2019 9:46 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios

Hi Eric,

Yes, that email was sent without a lot of context! On a different thread, I had reached out to Chuck as a follow up from the PSnet meeting where we had discussed which equipment to purchase to keep as spares for the PSnet system, or simply to upgrade microwave equipment we have currently that may be approaching end of life. You may recall we discussed ordering a pair of Bridgewave units. Evidently these units don't come pre-assigned "hi" and "lo" but can be used like swappable parts. Thus ends my technical knowledge of it. :) The group decided to allocate funding for buying an initial pair, which was estimated to be around $10k at the time (but we shall see). So - I had asked Chuck this week if he knew the specific part numbers or other tech specs necessary for these items so that I can go about getting quotes and initiating the procurement. Hence Fred's email. He was copying you to keep you in the loop and to indicate that when we do receive these units, LAN-TEL and Interisle can decide where they should be installed.

Hope that's helpful... if you have follow up Q's let me know!
Thanks,
Sarah

On Wed, Mar 13, 2019 at 6:12 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Pardon my email , but I'm lost on what we are doing here .
> Sorry
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> Respectfully,
>
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> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
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> http://linkedin.com/in/eric-johnson-9702a62b.
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4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

We also need antennas. CDW should also be able to quote these, as can Tessco, but if they can't, I can recommend other vendors.

For each 23 GHz radio:
RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

--

Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
+1 617 795 2701

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--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, March 14, 2019 9:47 AM EDT
To: Fred Goldstein <Fred Goldstein <fred@interisle.net>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios

Thanks, Fred! I will reach out to CDW about a quote for these items and send it your way for review once I have it.

On Wed, Mar 13, 2019 at 4:01 PM Fred Goldstein <fred@interisle.net> wrote:

> We have worked with Bridgewave to identify the specific parts to order for 18 and 23 GHz microwave links using the Navigator ST. These can be ordered through CDW, who can quote an actual retail price. As specified here, these radios should be usable for any frequency we get coordination for on the 18 or 23 GHz band.
>
> 18GHz ST 1+0 radios with 200Mb Capacity

Qty	BW Part#	Description
1	418030000060200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	418030000061200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

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The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

We also need antennas. CDW should also be able to quote these, as can Tessco, but if they can't, I can recommend other vendors.

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RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

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Fred R. Goldstein k1io fred "at" interisle.net
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+1 617 795 2701

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Thursday, March 14, 2019 9:59 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios
Attachment(s): "smime.p7s"

Sarah,

Thank you for pursuing this. Fred is the best expert to address any questions that might crop up. We also work closely with the LAN-TEL teams that deploy and maintain microwave equipment, so their insights have been, and will continue to be, incorporated into our recommendations.

...Chuck

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

On 3/14/19 9:47 AM, Sarah Plowman wrote:

> Thanks, Fred! I will reach out to CDW about a quote for these items and send it your way for review once I have it.
>
> On Wed, Mar 13, 2019 at 4:01 PM Fred Goldstein <fred@interisle.net> wrote:
>
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>
> 18GHz ST 1+0 radios with 200Mb Capacity
>
> | Qty | BW Part# | Description |
> |---|---|---|
> | 1 | 418030000060200 | SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 1 | 418030000061200 | SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 2 | NAV-LIC | NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal |
> | 2 | NAV-AES | NAVIGATOR,AES ENCRYPTION, Per Terminal |
> | 2 | 020-57069-0002 | Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only) |
> | 2 | 319-00506 | PWR CORD,AC,FOR POWER SUPPLY-US |
> | 4 | 171-00511 | SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM |
>
> 23GHz ST 1+0 B1 radios with 200Mb Capacity
>
> | Qty | BW Part# | Description |
> |---|---|---|
> | 1 | 423030000060200 | SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 1 | 423030000061200 | SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 2 | NAV-LIC | NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal |
> | 2 | NAV-AES | NAVIGATOR,AES ENCRYPTION, Per Terminal |
> | 2 | 020-57069-0002 | Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only) |
> | 2 | 319-00506 | PWR CORD,AC,FOR POWER SUPPLY-US |
> | 4 | 171-00511 | SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM |
>
> Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:
>
> 2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2
>
> The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having

Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

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The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

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Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
+1 617 795 2701

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, March 14, 2019 10:12 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios

Sarah
Thanks that makes sense now , I have very interesting emails come in about other things so I lost track . Thanks for clarifying !

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 14, 2019, at 9:46 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Yes, that email was sent without a lot of context! On a different thread, I had reached out to Chuck as a follow up from the PSnet meeting where we had discussed which equipment to purchase to keep as spares for the PSnet system, or simply to upgrade microwave equipment we have currently that may be approaching end of life. You may recall we discussed ordering a pair of Bridgewave units. Evidently these units don't come pre-assigned "hi" and "lo" but can be used like swappable parts. Thus ends my technical knowledge of it. :) The group decided to allocate funding for buying an initial pair, which was estimated to be around $10k at the time (but we shall see). So - I had asked Chuck this week if he knew the specific part numbers or other tech specs necessary for these items so that I can go about getting quotes and initiating the procurement. Hence Fred's email. He was copying you to keep you in the loop and to indicate that when we do receive these units, LAN-TEL and Interisle can decide where they should be installed.

Hope that's helpful... if you have follow up Q's let me know!

Thanks,
Sarah

On Wed, Mar 13, 2019 at 6:12 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Pardon my email , but I'm lost on what we are doing here .
> Sorry
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
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> ejohnson@lan-tel.com
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> Begin forwarded message:
>
> **From:** Fred Goldstein <fred@interisle.net>
> **Date:** March 13, 2019 at 4:01:47 PM EDT
> **To:** Sarah Plowman <sarah.plowman@boston.gov>
> **Cc:** Eric Johnson <ejohnson@Lan-Tel.com>, Chuck Wade <Chuck@Interisle.net>
> **Subject: Specifications/BoM for Bridgewave Navigator microwave radios**
>
> We have worked with Bridgewave to identify the specific parts to order for 18 and 23 GHz microwave links using the Navigator ST. These can be ordered through CDW, who can quote an actual retail price. As specified here, these radios should be usable for any frequency we get coordination for on the 18 or 23 GHz band.
>
> 18GHz ST 1+0 radios with 200Mb Capacity

Qty	BW Part#	Description
1	418030000060200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION

> SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR

1	418030000061200	2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
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4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

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RadioWaves HP2-23-RR.

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Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

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Fred R. Goldstein k1io fred "at" interisle.net
Interisle Consulting Group
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, March 14, 2019 10:13 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios

Haha no worries. I imagine you get a lot of interesting emails from all directions, what with all of the projects you have!

On Thu, Mar 14, 2019 at 10:12 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Thanks that makes sense now , I have very interesting emails come in about other things so I lost track . Thanks for clarifying !
>
> Respectfully,
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> Eric Johnson
> **Project Manager**
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> http://linkedin.com/in/eric-johnson-9702a62b.
>
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> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
> www.lan-tel.com
>
> Begin forwarded message:
>
> **From:** Fred Goldstein <fred@interisle.net>
> **Date:** March 13, 2019 at 4:01:47 PM EDT
> **To:** Sarah Plowman <sarah.plowman@boston.gov>
> **Cc:** Eric Johnson <ejohnson@Lan-Tel.com>, Chuck Wade <Chuck@Interisle.net>
> **Subject: Specifications/BoM for Bridgewave Navigator microwave radios**
>
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>
> 18GHz ST 1+0 radios with 200Mb Capacity
>
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> |---|---|---|

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1	418030000061200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

We also need antennas. CDW should also be able to quote these, as can Tessco, but if they can't, I can recommend other vendors.

For each 23 GHz radio:
RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

--

Fred R. Goldstein klio fred "at" interisle.net
Interisle Consulting Group
+1 617 795 2701

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> prohibited. If you have received this e-mail in error, please immediately notify the sender and delete this e-mail from your computer system.

--
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Regional Planner
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Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Thursday, March 14, 2019 10:20 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Specifications/BoM for Bridgewave Navigator microwave radios

Especially Interisle .....lol

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 14, 2019, at 10:13 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Haha no worries. I imagine you get a lot of interesting emails from all directions, what with all of the projects you have!

On Thu, Mar 14, 2019 at 10:12 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah
> Thanks that makes sense now , I have very interesting emails come in about other things so I lost track . Thanks for clarifying !
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 14, 2019, at 9:46 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Eric,

Yes, that email was sent without a lot of context! On a different thread, I had reached out to Chuck as a follow up from the PSnet meeting where we had discussed which equipment to purchase to keep as spares for the PSnet system, or simply to upgrade microwave equipment we have currently that may be approaching end of life. You may recall we discussed ordering a pair of Bridgewave units. Evidently these units don't come pre-assigned "hi" and "lo" but can be used like swappable parts. Thus ends my technical knowledge of it. :) The group decided to allocate funding for buying an initial pair, which was estimated to be around $10k at the time (but we shall see). So - I had asked Chuck this week if he knew the specific part numbers or other tech specs necessary for these items so that I can go about getting quotes and initiating the procurement. Hence Fred's email. He was copying you to keep you in the loop and to indicate that when we do receive these units, LAN-TEL and Interisle can decide where they should be installed.

Hope that's helpful... if you have follow up Q's let me know!
Thanks,
Sarah

On Wed, Mar 13, 2019 at 6:12 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

Sarah
Pardon my email , but I'm lost on what we are doing here .
Sorry

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

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Begin forwarded message:

From: Fred Goldstein <fred@interisle.net>
Date: March 13, 2019 at 4:01:47 PM EDT
To: Sarah Plowman <sarah.plowman@boston.gov>
Cc: Eric Johnson <ejohnson@Lan-Tel.com>, Chuck Wade <Chuck@Interisle.net>
Subject: Specifications/BoM for Bridgewave Navigator microwave radios

We have worked with Bridgewave to identify the specific parts to order for 18 and 23 GHz microwave links using the Navigator ST. These can be ordered through CDW, who can quote an actual retail price. As specified here, these radios should be usable for any frequency we get coordination for on the 18 or 23 GHz band.

18GHz ST 1+0 radios with 200Mb Capacity

Qty	BW Part#	Description
1	418030000060200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	418030000061200	SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz, to have on hand as field-swappable units if needed:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

The 23 GHz band is large enough that it is covered by two different diplexors, known as Band 1 and Band 2. Most microwave radios are ordered for one or the other, but it's a field-swappable unit in the Navigator. Whether radio is then the transmit-high or transmit-low end is changeable by reversing the diplexor. By having Band 2 diplexors on hand, we can order the radios on Band 1 while coordination is still pending, and when we have the frequency assigned, if it's Band 2, we swap it. At some point (they come with a 1-year warranty) we can then order one radio (for a given band) to be spare, and if a radio in the field fails, the diplexor can be moved into the spare as required to match the failed radio.

We also need antennas. CDW should also be able to quote these, as can Tessco, but if they can't, I can recommend other vendors.

For each 23 GHz radio:
RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

Please let me know if you have further questions. We (Interisle, LAN-TEL) will be discussing specific locations, and will need to with with the City on frequency coordination and licensing. Thank you.

--

Fred R. Goldstein k1io fred "at" interisle.net
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--

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, March 14, 2019 2:04 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>
Subject: Re: PSnet: Ordering Windows Server 2012R2 Datacenter licenses and RDS CALs

Hi Chuck and all,

I'll check to see, but my concern is that those resellers aren't City of Boston vendors in our system. I'm also not sure if our grant compliance precludes us from resellers at all. I'll investigate. I did ask CDWG and Hub Tech about Microsoft 2012, and they both said they were only able to sell the current 2019, but that it was downgradeable. I know you didn't want to go that route, but it may be our only option. Just wanted to give you a heads up.

Thanks,
Sarah

On Tue, Mar 12, 2019 at 15:55 Chuck Wade <Chuck@interisle.net> wrote:

> Sarah,
>
> I probably used the wrong acronym expansion for "SA" in responding to question #5. Based on context, I believe this question pertains to whether we need "Security Assurance," which is a suite of additional services that Microsoft provides for enterprise security functions. However, most of these services are not needed in the PSnet environment, or we have other controls in place that already meet our security needs. My read of Security Assurance is that this only makes sense in an all Microsoft product context.
>
> So, my answer remains that I do not believe we need SA. Also, we do not have SA with our current Windows Server licenses.
>
> Just keep in mind, I am providing the best answers I can in a realm that is quite complex, with many interpretations offered from many diverse sources.
>
> ...Chuck
>
> _____
> Chuck Wade, Principal
> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net
>
> On 3/12/19 3:27 PM, Chuck Wade wrote:
>
> > Sarah,
> >
> > Let me try to answer these questions:
> >
> > 1. How many physical servers will be covered with Windows Server licensing or hosting Windows Servers in a virtual environment?
> >   - We need WS2012R2DC licenses for two (2) physical servers.
> >   - Each server will run vSphere ESXi hypervisor, NOT the Windows Server hypervisor.
> > 2. How many physical processors are in each physical server?
> >   - Each physical server has two (2) processors
> > 3. How many cores are in each processor?
> >   - Each processor has eight (8) cores, for a total of 16 cores per physical server
> >   - For the record, the current servers are each BL460c Gen8 with two processors with 8 cores per processor. The new servers should be BL460c Gen10, but with two processors with 8 cores each.
> > 4. How many virtual Windows Servers will run on each physical server?
> >   - Lots!
> >   - We are currently running about a dozen Windows VMs (VOSE's in MS parlance) per data center (per HPE c3000 enclosure). This number is expected to go up by around 5. to 10 over the coming year.
> >   - Since we are using vSphere DRS and HA, we need the ability to migrate these VMs between physical hosts on the fly, so we have to have licensing for all VMs on all physical servers.
> >   - There are also quite a few VMs running various flavors of Linux.
> > 5. With or without SA?
> >   - Currently, we are not using Software Assurance (SA). It does not seem that we need this for our environment.
> >   - For the record, the original order was for:
> >   OLP GOVT WIN SVR DATACTR 2012R2 NL 2PROC QLFD

I hope this provides the information sought...

...Chuck

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

On 3/12/19 3:07 PM, Sarah Plowman wrote:

> Thanks. I'm going to read this more slowly later, but for now - I had reached out to CDW-G about the VMware portion and mentioned the 2012 MS licensing to see if they sold that, too. He asked a series of Qs... can you fill in the blanks?
>
> How many physical servers will be covered with Windows Server licensing or hosting Windows Servers in a virtual environment?
>
> How many physical processors are in each physical server?
>
> How many cores are in each processor?
>
> How many virtual Windows Servers will run on each physical server?
>
> With or without SA?
>
> Thanks,
> Sarah
>
> On Tue, Mar 12, 2019 at 2:42 PM Chuck Wade <Chuck@interisle.net> wrote:
>
> > Sarah,
> >
> > Here are three links that can be used to order Windows Server 2012R2 Datacenter OLP:
> >
> > - **Direct Deals** | Price: $5,689.99
> > https://www.directdeals.com/Windows-Server-2012-R2-Datacenter---2-Processor-License-OLP/P71-07714-L.htm
> > - **Royal Discount** | Price: $5,988.48 (scroll down to P/N: P71-07835)
> > https://www.royaldiscount.com/products/microsoft/windows-server/2012/product-family/windows-server/user-type/business.html
> > - **MyChoice Software** | Price: $6,299.99
> > https://www.mychoicesoftware.com/collections/filter-microsoft-windows-server/filter-edition-datacenter+filter-release-2012+filter-license-open-business
> >
> > In addition, my research into Microsoft licensing issues (there are some people who make their careers out of navigating the complexities of M$ licensing), I have come to realize that we also need Client Access Licenses (a.k.a., "CALs") for using Remote Desktop Services (RDS). In this case, we don't need to worry about which version of Windows, since RDS CALs can be used for the server version they were ordered for, as well as prior server versions. In other words, if we order Windows Server 2019 RDS CALs, they would work for 2019, 2016, 2012, and even 2008 versions of Windows Server RDS.
> >
> > There are two types of RDS CALs, (1) "user" and (2) "device." In PSnet, the user CALs are what we need. These should be straight forward to order from any source of Microsoft software, and should be on the GSA price schedule, as well as the State Contract for Microsoft products.
> >
> > Here is one listing to give you an example:
> >
> > - **Direct Deals** | 10-pack Windows 2019 RDS CALs OLP | Price $1,250.99
> > https://www.directdeals.com/windows-2019-remote-desktop-services-10-user-cals-olp.aspx
> >
> > A 10-pack is what we need at a minimum to be compliant. Ideally, we could use twice that number, and may need even more in the future. We will also need to install Microsoft's licensing service to keep track of these RDS CALs, but that monkey is on our backs, and there shouldn't be anything further to order.
> >
> > Since this is getting confusing, let me point out that there are three types of CALs we need to

use:

- **Windows Server CALs:** These are necessary for any user to be able to access services delivered by a Windows Server system. However, any version of normal desktop/laptop Windows Pro or Windows Enterprise comes with a CAL for accessing Windows Servers. However, anyone not using Windows Pro or Enterprise must have a CAL. This would include macOS or Linux users, or someone with a Windows Home system.
  In the original order, 100 Windows Server 2012 user CALs were included at $24.25 each
- **Microsoft SQL CALs:** Required for any user accessing the MS SQL service. This includes SharePoint users, since SharePoint uses SQL. In this case, it doesn't matter what version of Windows someone is using, they will require a CAL to legitimately access an SQL server.
  In the original order, 100 Microsoft SQL 2012 user CALs were included at $154.00 each
- **Windows Remote Desktop Services CALs:** These are required for any user, no matter what operating system they are using, to be able to legitimately use Remote Desktop Services.
  The original order did not include any RDS CALs, though it should have.

Keep in mind that CALs are associated with users or devices, and allow access to any Microsoft servers. In other words, PSnet needs to have CALs for users/devices that access our systems, but once a CAL is assigned, it can be used for any Microsoft service offered via PSnet. From a practical perspective, we will have to use "user" CALs, since "device" CALs do not make sense for our usage models.

Is you head spinning, yet? I could go on further if you want?

Thanks for pushing the buttons to get this stuff ordered.

...Chuck

--

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--

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, March 15, 2019 3:12 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: MACU One Pager

Got it. Another question: does LAN-TEL have a SOP for the drone component specifically?

On Tue, Mar 12, 2019 at 10:59 Eric Johnson <ejohnson@lan-tel.com> wrote:

> I guess we would prorate accordingly and if they need a tech . Etc . We will work with all communities . We have not worked this as a state contract since municipalities outside of UASi have only contracted for 1 day and under the threshold of state contract
>
> Respectfully,
>
> Eric Johnson
> **Project Manager**
> 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> **M 617-785-8254**
> **| www.lan-tel.com. I** Twitter
>
> ejohnson@lan-tel.com ☘
>
> TWITTER : @ejctown
>
> http://linkedin.com/in/eric-johnson-9702a62b.
>
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On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).
>
> Also - have you offered the MACU services through a state contract vehicle before? I know CIMS is on a state contract.
>
> On Tue, Feb 12, 2019 at 3:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> > Thank you Sarah , We had a rate of $2500.00 that gets the truck and a technician for an event.
> >
> > ---
> >
> > **From:** Sarah Plowman <sarah.plowman@boston.gov>

Sent: Tuesday, February 12, 2019 3:42 PM
To: Eric Johnson
Cc: Jeff Everett Police
Subject: Re: Fw: MACU One Pager

Thanks for this. What we need to understand is the cost/rate per use (is it hourly and if so how much, or is it per event/day - and how much?). We also need to put into place a management structure so that we'll know when it has been reserved, and how to resolve issues like two different jurisdictions requesting use on the same day.

Finally, I'll note that we do not yet have a contract in place to use this unit. I will need to investigate how to get the various approvals in place, and figure out which state contract (or other mechanism) would work as a contract vehicle.

This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!

On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
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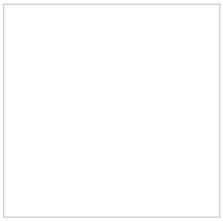
http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager



Kelly Cinelli
Marketing Manager
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, March 15, 2019 3:20 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

We have never been asked for one We have our own internal checklist that we perform per FAA guidelines / and drone rules and operation . I think it would be hard to keep within a protocol since we don't know environment or event until asked .

I am ccing Scott Torressen of Lan -Tel since he is more involved with drone aspect so we can discuss at some point .

Obviously we could put one together for you specific to UASI , or we just take the drone out of the offering to UASI .

We can offer services a la carte , we will or would never offer all or nothing .

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 15, 2019, at 3:12 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Sent: Tuesday, February 12, 2019 3:42 PM
To: Eric Johnson
Cc: Jeff Everett Police
Subject: Re: Fw: MACU One Pager

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This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!

On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
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| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 19, 2019 9:12 AM EDT
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>
Subject: Re: ps-net.org Important expiration notice.

Eric & Chuck,

Please see email below forwarded to me by Brenda. I remember we handled this last year by paying Interisle who paid the renewal. Has LAN-TEL or Interisle already renewed it this year, or if not, can the City do it directly?

Thanks,
Sarah

On Mon, Mar 18, 2019 at 5:37 PM Brenda Jones <brenda.jones@boston.gov> wrote:

> Sarah,
>
> Can you verify if this is real? It went into my spam box 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@boston.gov
>
> ---------- Forwarded message ---------
> From: **donotreply** <info@vpstransfers.com>
> Date: Wed, Mar 13, 2019 at 8:39 PM
> Subject: ps-net.org Important expiration notice.
> To: <Brenda.Jones@cityofboston.gov>
>
> **Important expiration notice**
> **Domain service renew**
>
> Domain: ps-net.org
> Notice#: 714314
> Date: 03.13.2019
> EXPIRATION DATE: 03.22.2019
>
> **Secure Online Payment**
> **Process Payment for**
> ps-net.org
> Act immediately!
>
> To: Brenda Jones, Metro Boston Homeland Security Region
>
> Domain: ps-net.org
> Registration Period: 1 Year/s
> Amount: $86.00 USD
> Status: Pending (Unpaid)
>
> Attn: Brenda Jones
> This important expiration notification notifies you about the expiration notice of your domain registration forps-net.org search engine optimization submission. The information in this expiration notification may contain legally privileged information from the notification processing department of the Domain Seo Service Registration to our search engine traffic generator. We do not register or renew domain names. We are selling traffic generator software tools. This information is intended for the use of the individual(s) named above. If you fail to complete your domain name registration ps-net.org search engine optimization service by the expiration date, may the dismissal of this search engine optimization domain name notification notice.

Failure to complete your seo domain name registrationps-net.org search engine optimization service process may make it difficult for customers to find you on the web.

Process Payment for
ps-net.org
Secure Online Payment

This domain seo registration for ps-net.org search engine service optimization notification will expire within 9 days.

Instructions and Unlike Instructions from this Newsletter:
You have received this message because you elected to receive notification. If you no longer wish to receive our notifications, please unlike here. If you have multiple accounts with us, you must opt out for each one individually to unlike receiving notifications. We are a search engine optimization company. We do not directly register or renew domain names. This is not a bill. You are don't need to pay the amount unless you accept this notification. This message, which contains promotional material strictly along the guidelines of the Can-Spam act of 2003. We have clearly mentioned the source mail-id of this email, also clearly mentioned our subject lines and they are in no way misleading. Please do not reply to this email, as we are not able to respond to messages sent to this address.

--
Sarah Plowman
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From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, March 19, 2019 9:17 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: ps-net.org Important expiration notice.
Attachment(s): "smime.p7s"

Sarah,

I took care of this renewal last week.

However, the email you've forwarded is a scam. The actual annual renewal cost is $12 - $14 per domain name.

...Chuck

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

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Sent: Tuesday, March 19, 2019 5:48 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

Well, I bring it up because due to our funding source being a federal grant, we have certain compliance steps we'd need to take in order to make use of that component. I'm attaching a paragraph here that references a SOP (and yes, while it specifically calls out "purchase," renting/leasing the equipment follows the same standards here). If you don't have one, we may need to move ahead with putting a contract together for the MACU without that capability. But if you do have something that meets this criteria, or would be willing to write one, we can talk further about including it. Let me know your thoughts.

Thanks,
Sarah

6. Small Unmanned Aircraft Systems (AEL #03OE-07-SUAS - System, Small Unmanned Aircraft) are considered aircraft and are required to meet the requirements in #3 above. In addition, all requests to purchase SUAS with FEMA grant funding must also include copies of the policies and procedures in place to safeguard individuals' privacy, civil rights, and civil liberties of the jurisdiction that will purchase, take title to, or otherwise use the SUAS equipment, see Presidential Memorandum: Promoting Economic Competitiveness While Safeguarding Privacy, Civil Rights, and Civil Liberties, in Domestic Use of Unmanned Aircraft Systems, issued February 20, 2015.

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> ejohnson@lan-tel.com ☘
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> >
> > TWITTER : @ejctown
> >
> > http://linkedin.com/in/eric-johnson-9702a62b.
> >
> > www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 19, 2019 9:21 AM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: ps-net.org Important expiration notice.

Good to know on both counts! Thanks.

On Tue, Mar 19, 2019 at 9:17 AM Chuck Wade <Chuck@interisle.net> wrote:

> Sarah,
>
> I took care of this renewal last week.
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> However, the email you've forwarded is a scam. The actual annual renewal cost is $12 - $14 per domain name.
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> ...Chuck
>
> _____
> Chuck Wade, Principal
> Interisle Consulting Group
> +1 508 435-3050 Office
> +1 508 277-6439 Mobile
> www.interisle.net
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> > > Domain: ps-net.org
> > > Notice#: 714314
> > > Date: 03.13.2019
> > > EXPIRATION DATE: 03.22.2019

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Act immediately!

To: Brenda Jones, Metro Boston Homeland Security Region

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This domain seo registration for ps-net.org search engine service optimization notification will expire within 9 days.

Instructions and Unlike Instructions from this Newsletter:
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Tuesday, March 26, 2019 11:57 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>
Subject: Re: Fwd: Specifications/BoM for Bridgewave Navigator microwave radios
Attachment(s): "KMRV993.pdf","KMRV997.pdf","smime.p7s"

Sarah,

Yes, we would like to order both a 23 GHz link and an 18 GHz link--i.e., both quotes. This will allow us to begin evaluating these attractive BridgeWave models in the two most important licensed frequency bands for PSnet. Over the next year, we will likely need to replace multiple radios in both bands, since we have several that are operating in degraded states.

Regarding the quotes, CDW-G may call themselves the "People who get it," but they don't always get it right.

These quotes should be okay as provided, but their catalog entries for some of the items were entered with the wrong manufacturers. Specifically, they have several items listed as "WINNCOM" products, but these should be BridgeWave. Similarly, neither antenna uses the correct RadioWaves manufacturer name, with one listed as "WINNCOM" and the other as "PROXIM." However, this appears to be just sloppiness, since the part numbers and prices seem to be correct.

I have re-attached these quotes with the incorrect manufacturer names highlighted, and the correct manufacturer name inserted. This is for your inventory control purposes. You might get CDW-G to confirm the actual manufacturers so you have this for your records, even if they don't correct their catalog entries.

...Chuck

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

On 3/26/19 10:19 AM, Sarah Plowman wrote:

> Hi Chuck,
>
> Can you and your team please review the two attached quotes from CDWG for the microwave units. He quoted 23GHz and 18GHz separately. Are we going to order one set of each, or is one better than the other for our purposes?
>
> Thanks,
> Sarah
>
> ---------- Forwarded message ---------
> From: **Andrew Bertuglia** <andbert@cdwg.com>
> Date: Mon, Mar 25, 2019 at 6:52 PM
> Subject: RE: Specifications/BoM for Bridgewave Navigator microwave radios
> To: Sarah Plowman <sarah.plowman@boston.gov>
>
> Hi Sarah,
>
> Here's the two quotes for 23GHz and 18GHz
>
> **Andrew Bertuglia** |Executive Account Manager | Emerging Leader | **CDW-G** | 203.851.7092
>
> - **Lisa** | Sales Assistant | Phone: 203.851.7060 | Lisaw@cdwg.com
>
> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Tuesday, March 19, 2019 5:42 PM
> **To:** Andrew Bertuglia <andbert@cdwg.com>
> **Subject:** Re: Specifications/BoM for Bridgewave Navigator microwave radios

Hi Andrew,

Just following up because I don't think I saw a quote on this come through yet? For the Bridgewave units. If it was generated, could you please re-send?

Thanks,

Sarah

On Thu, Mar 14, 2019 at 1:13 PM Andrew Bertuglia <andbert@cdwg.com> wrote:

> Awesome! Working this up now!
>
> **Andrew Bertuglia** |Executive Account Manager | Emerging Leader | **CDW-G** | 203.851.7092
>
> - **Lisa** | Sales Assistant | Phone: 203.851.7060 | Lisaw@cdwg.com
>
> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Thursday, March 14, 2019 9:50 AM
> **To:** Andrew Bertuglia <andbert@cdwg.com>
> **Subject:** Fwd: Specifications/BoM for Bridgewave Navigator microwave radios
>
> Hi Andrew,
>
> I have another quote request for you. Please see the email below... let me know if you have follow up questions.
>
> Thanks,
>
> Sarah
>
> ---------- Forwarded message ---------
>
> ***We have worked with Bridgewave to identify the specific parts to order for 18 and 23 GHz microwave links using the Navigator ST. As specified here, these radios should be usable for any frequency we get coordination for on the 18 or 23 GHz band.***
>
> 18GHz ST 1+0 radios with 200Mb Capacity
>
> | Qty | BW Part# | Description |
> |---|---|---|
> | 1 | 418030000060200 | SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 1 | 418030000061200 | SINGLE TRANSCEIVER RADIO,18GHZ,TR1560,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION |
> | 2 | NAV-LIC | NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal |
> | 2 | NAV-AES | NAVIGATOR,AES ENCRYPTION, Per Terminal |
> | 2 | 020-57069-0002 | Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only) |
> | 2 | 319-00506 | PWR CORD,AC,FOR POWER SUPPLY-US |
> | 4 | 171-00511 | SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM |

23GHz ST 1+0 B1 radios with 200Mb Capacity

Qty	BW Part#	Description
1	423030000060200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),LOW-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
1	423030000061200	SINGLE TRANSCEIVER RADIO,23GHZ,TR1200,B1,STANDARD CHANNEL BANDWIDTH,2-SFP(1 OR 2.5GBPS),HIGH-BAND,SINGLE ANTENNA PORT,(1+0),RECTANGULAR-WAVEGUIDE ANTENNA INTERFACE,STANDARD CONFIGURATION
2	NAV-LIC	NAVIGATOR,100-MBPS,CAPACITY-LICENSE,Per Terminal
2	NAV-AES	NAVIGATOR,AES ENCRYPTION, Per Terminal
2	020-57069-0002	Isolated and Connectorized AC to DC Power Supply, 100 240VAC, 48VDC output, 120W Indoor Use only. Two required per link. AC Power Cord Not Included, Must also purchase 319-00506 (for ST Radios Only)
2	319-00506	PWR CORD,AC,FOR POWER SUPPLY-US
4	171-00511	SFP TRANSCEIVER,2.125GBPS,GIGE,1000BASE-SX,LC INTERFACE,MULTI-MODE FIBER,850NM

Plus these Band 2 diplexors, for 23 GHz:

2 010-59016-0004 DPLXR,23G,NAV,TR1200,B2

We also need antennas.

For each 23 GHz radio:
RadioWaves HP2-23-RR.

For each 18 GHz radio:
RadioWaves HP2-18-RR

The vendor should be sure to use the -RR (Rectangular Remec waveguide connector) version of the antenna; RadioWaves makes these with several variants, the connector types identified by the suffix.

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974

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Sarah Plowman
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Phone: 617.635.1400
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, March 26, 2019 3:02 PM EDT
To: Tom Bent <Tom Bent <tbent@bentelectric.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>
Subject: Whidden Hospital Electrical/HVAC projects

Hi Tom & Eric,

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Thanks very much to you all,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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Phone: 617.635.1400
Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, March 26, 2019 3:03 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting Status Report for Tomorrow's Meeting
Attachment(s): "Security Camera Strategy Meeting_3-27-19.docx"

Attached is the current status report for our camera projects that we will review in tomorrow's camera meeting.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Wednesday, March 27, 2019 8:38 AM EDT
To: bhenry@mbta.com <bhenry@mbta.com>; brett.haynes@boston.gov <brett.haynes@boston.gov>; brian.barcelou@pd.boston.gov <brian.barcelou@pd.boston.gov>; conor.mcdavitt@siemens.com <conor.mcdavitt@siemens.com>; crossenjf@bwsc.org <crossenjf@bwsc.org>; cupidog@vidsys.com <cupidog@vidsys.com>; dan.rothman@boston.gov <dan.rothman@boston.gov>; don.burgess@boston.gov <don.burgess@boston.gov>; ejohnson@lan-tel.com <ejohnson@lan-tel.com>; ithomas@vidsys.com <ithomas@vidsys.com>; jason.macdonald@boston.gov <jason.macdonald@boston.gov>; jason.marshall@pd.boston.gov <jason.marshall@pd.boston.gov>; jbeers@bphc.org <jbeers@bphc.org>; jfriedberg@genetec.com <jfriedberg@genetec.com>; jfullerton@genetec.com <jfullerton@genetec.com>; jgrennon@lan-tel.com <jgrennon@lan-tel.com>; jim.fitzpatrick@pd.boston.gov <jim.fitzpatrick@pd.boston.gov>; john.r.gillis@boston.gov <john.r.gillis@boston.gov>; lauren.m.firnstein@boston.gov <lauren.m.firnstein@boston.gov>; louis.madeira@pd.boston.gov <louis.madeira@pd.boston.gov>; matthew.spillane@pd.boston.gov <matthew.spillane@pd.boston.gov>; mauori.stavenson@bostonhousing.org <mauori.stavenson@bostonhousing.org>; mdriscoll@dvtel.com <mdriscoll@dvtel.com>; michael.kane@boston.gov <michael.kane@boston.gov>; michael.sulprizio@boston.gov <michael.sulprizio@boston.gov>; mike.lynch@boston.gov <mike.lynch@boston.gov>; nelson.vasconcelos@siemens.com <nelson.vasconcelos@siemens.com>; richard.reidy@siemens.com <richard.reidy@siemens.com>; rilondon@genetec.com <rilondon@genetec.com>; robert.flaherty@boston.gov <robert.flaherty@boston.gov>; robert.gilchrist@siemens.com <robert.gilchrist@siemens.com>; sarah.plowman@boston.gov <sarah.plowman@boston.gov>; shawn.romanoski@pd.boston.gov <shawn.romanoski@pd.boston.gov>; steven.whitman@pd.boston.gov <steven.whitman@pd.boston.gov>; timothy.shea@boston.gov <timothy.shea@boston.gov>; tom.deloriea@isilon.com <tom.deloriea@isilon.com>; vincent.stancato@pd.boston.gov <vincent.stancato@pd.boston.gov>; william.joyce@boston.gov <william.joyce@boston.gov>; wilson.aleman@boston.gov <wilson.aleman@boston.gov>
Subject: Security Camera Strategy Status Meeting

Friendly reminder, we have a camera demo today as part of our meeting. Please attend.
--

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 27, 2019 9:41 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Tom Bent <Tom Bent <tbent@bentelectric.com>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>
Subject: Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

Respectfully,

Eric Johnson
Security Project Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 26, 2019, at 3:02 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

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Thanks very much to you all,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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Phone: 617.635.1400
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From: Tom Bent <TBent@bentelectric.com>
Sent: Wednesday, March 27, 2019 4:50 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>
Subject: RE: Whidden Hospital Electrical/HVAC projects

Eric,
How does next Wednesday April 3rd at 10AM. We can meet in the lobby.

Thanks,
Tom

Thomas Bent
President
Bent Electrical Contractors Inc.
59A Inner Belt Road
Somerville, Ma 02143
Office 617-628-0831 X221
Cell 617-293-1152
Fax 617-666-3042
IBEW Local 103

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 27, 2019 9:41 AM
To: Sarah Plowman <sarah.plowman@boston.gov>
Cc: Tom Bent <TBent@bentelectric.com>; Regina Collyer <regina.collyer@cityofeverett.org>
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ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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> Thanks very much to you all,
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> **Sarah Plowman**
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, March 27, 2019 4:52 PM EDT
To: Tom Bent <Tom Bent <TBent@bentelectric.com>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>
Subject: Re: Whidden Hospital Electrical/HVAC projects

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Thank you

From: Tom Bent <TBent@bentelectric.com>
Sent: Wednesday, March 27, 2019 4:50 PM
To: Eric Johnson; Sarah Plowman
Cc: Regina Collyer
Subject: RE: Whidden Hospital Electrical/HVAC projects

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Thanks,
Tom

Thomas Bent
President
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Office 617-628-0831 X221
Cell 617-293-1152
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Security Project Manager

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>
> --
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, March 28, 2019 8:25 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Tom Bent <Tom Bent <TBent@bentelectric.com>>
Subject: Re: Whidden Hospital Electrical/HVAC projects

Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <ejohnson@lan-tel.com> wrote:

see you then sir !
Thank you

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Sent: Wednesday, March 27, 2019 4:50 PM
To: Eric Johnson; Sarah Plowman
Cc: Regina Collyer
Subject: RE: Whidden Hospital Electrical/HVAC projects

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Office 617-628-0831 X221
Cell 617-293-1152
Fax 617-666-3042
IBEW Local 103

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To: Sarah Plowman <sarah.plowman@boston.gov>
Cc: Tom Bent <TBent@bentelectric.com>; Regina Collyer <regina.collyer@cityofeverett.org>
Subject: Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

Respectfully,

Eric Johnson
Security Project Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062
M 617-785-8254
| **www.lan-tel.com. l** Twitter
ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 26, 2019, at 3:02 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Hi Tom & Eric,
>
> This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.
>
> I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.
>
> Thanks very much to you all,
> Sarah
>
> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
> Fax: 617.635.2974
> *****WARNING**** This email was sent from outside of LAN-TEL

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, April 03, 2019 12:08 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

Hi Eric & Scott,

Just following up because I never heard back from either of you on this. (See below)

Thanks,
Sarah

On Tue, Mar 19, 2019 at 5:48 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Well, I bring it up because due to our funding source being a federal grant, we have certain compliance steps we'd need to take in order to make use of that component. I'm attaching a paragraph here that references a SOP (and yes, while it specifically calls out "purchase," renting/leasing the equipment follows the same standards here). If you don't have one, we may need to move ahead with putting a contract together for the MACU without that capability. But if you do have something that meets this criteria, or would be willing to write one, we can talk further about including it. Let me know your thoughts.
>
> Thanks,
> Sarah
>
> 6. Small Unmanned Aircraft Systems (AEL #03OE-07-SUAS - System, Small Unmanned Aircraft) are considered aircraft and are required to meet the requirements in #3 above. In addition, all requests to purchase SUAS with FEMA grant funding must also include copies of the policies and procedures in place to safeguard individuals' privacy, civil rights, and civil liberties of the jurisdiction that will purchase, take title to, or otherwise use the SUAS equipment, see Presidential Memorandum: Promoting Economic Competitiveness While Safeguarding Privacy, Civil Rights, and Civil Liberties, in Domestic Use of Unmanned Aircraft Systems, issued February 20, 2015.
>
> On Fri, Mar 15, 2019 at 3:21 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> > We have never been asked for one We have our own internal checklist that we perform per FAA guidelines / and drone rules and operation . I think it would be hard to keep within a protocol since we don't know environment or event until asked .
> >
> > I am ccing Scott Torressen of Lan -Tel since he is more involved with drone aspect so we can discuss at some point .
> >
> > Obviously we could put one together for you specific to UASI , or we just take the drone out of the offering to UASI .
> >
> > We can offer services a la carte , we will or would never offer all or nothing .
> >
> > Respectfully,
> >
> > Eric Johnson
> > **Project Manager**
> > 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> > **M 617-785-8254**
> > **| www.lan-tel.com. I** Twitter
> >
> > ejohnson@lan-tel.com ☘
> >
> > TWITTER : @ejctown
> >
> > http://linkedin.com/in/eric-johnson-9702a62b.
> >
> > www.lan-tel.com

On Mar 15, 2019, at 3:12 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Got it. Another question: does LAN-TEL have a SOP for the drone component specifically?
>
> On Tue, Mar 12, 2019 at 10:59 Eric Johnson <ejohnson@lan-tel.com> wrote:
>
> > I guess we would prorate accordingly and if they need a tech . Etc . We will work with all communities . We have not worked this as a state contract since municipalities outside of UASi have only contracted for 1 day and under the threshold of state contract
> >
> > Respectfully,
> >
> > Eric Johnson
> > **Project Manager**
> > 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
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> >
> > www.lan-tel.com

On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).

Also - have you offered the MACU services through a state contract vehicle before? I know CIMS is on a state contract.

On Tue, Feb 12, 2019 at 3:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

Thank you Sarah , We had a rate of $2500.00 that gets the truck and a technician for an event.

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 12, 2019 3:42 PM
To: Eric Johnson
Cc: Jeff Everett Police
Subject: Re: Fw: MACU One Pager

Thanks for this. What we need to understand is the cost/rate per use (is it hourly and if so how much, or is it per event/day - and how much?). We also need to put into place a management structure so that we'll know when it has been reserved, and how to resolve issues like two different jurisdictions requesting use on the same day.

Finally, I'll note that we do not yet have a contract in place to use this unit. I will need to investigate how to get the various approvals in place, and figure out which state contract (or other mechanism) would work as a contract vehicle.

This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!

On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100,
NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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One City Hall Square | Boston, MA 02201
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, April 03, 2019 2:24 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; rsalisbury@tellus.us <rsalisbury@tellus.us>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
Subject: Tellus/LAN-TEL for MBHSR
Attachment(s): "Lan-Tel -FATPOT FINAL QUOTE (1).pdf","Boston Phase IV Project Timeline (1).pdf"

Hi Eric, Roger, and Scott,

Hope you're doing well this new month. It's been a few weeks since our conference call, so I wanted to reach out again to do a bit of recap and ensure I'm on the same page as you all with wrapping up this contract.

The contract consists of two main parts: Phase IVA and Phase IVB, plus project management (PM). To date, invoices have been paid in the following amounts:

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This adds up to $99,120 toward IVA, $60,000 toward IVB, and $25,000 toward PM. According to the attached Dec 13, 2017 proposal (referenced also on the invoices), the total breakdown per section of the contract is: $123,841 IVA, $76,159 IVB, and $40,000 PM.

Thus, remaining to date on the PO is a balance of $55,880 which is comprised of $24,721 toward IVA, $16,159 toward IVB, and $15,000 PM. That is how I expect the final invoice to be delineated.

With the final invoice, we had also discussed Tellus/LAN-TEL providing OEM with additional documentation to speak to the training piece, the product as a whole, and including community engagement as well. I remember Jonathan saying he was planning a visit this way end of April or early May. That being the case, I am anticipating the final invoice wouldn't come until mid-May when the notes from his visit can be included in the final documentation.

Am I missing anything else? Do any of you have other questions/concerns? Please also confirm that what I've captured in this email is the understanding of you all as well.

Thanks so much,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Roger Salisbury <rsalisbury@tellus.us>
Sent: Friday, April 05, 2019 3:27 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Jonathan Mitchell <Jonathan Mitchell <jmitchell@tellus.us>>
Subject: Re: Tellus/LAN-TEL for MBHSR

Sarah,

From the big picture, your assessment looks good.

As far as follow up activities:

- **Documentation for training:** Yes, I agreed to do this. Shortly after our call, I had an unfortunate computer crash and it knocked me behind on several things. Between that and some business related travel, I haven't gotten to that yet. Planning to do so by end of next week.
- **Other documentation:** (Product as a whole and community engagement.) I don't remember having discussed these, but I'm not opposed to it, either. I'd just need more direction on what is wanted.
    - Product as a whole: I can provide our administrative guide and users guide if you'd like. It's been provided to the stakeholders before, but I can include it for your records if that would be helpful.
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- **Travel in April/May:** Jonathan (Tellus President) will actually be in Boston early next week. He will be meeting with Boston Fire Superintendent Steve Keeley and possibly other fire departments regarding a new fire-related proposed initiative. He may actually be reaching out to you as well. (Jonathan CCed here.) The mention of his visit on our last call was intended to be less project-specific but more of an fyi for relationship building. There's still a possibility that Jonathan and/or I may return to Boston in May, but again, not for the sole purpose of the project.

Thanks,
Roger Salisbury
Customer Champion
Sales & Marketing
Tellus
801-397-3973 x5146
FATPOT Technologies is now Tellus

On 4/3/2019 12:24 PM, Sarah Plowman wrote:

> Hi Eric, Roger, and Scott,
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Fax: 617.635.2974

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From: Jonathan Mitchell <jmitchell@tellus.us>
Sent: Friday, April 05, 2019 3:31 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>
Subject: Re: Tellus/LAN-TEL for MBHSR

Hi Sarah,

As Roger mentioned, I'll be in Boston next week. Would you be available on Tuesday afternoon for a short visit?

Thank you,

Jonathan Mitchell
801-913-3223 mobile

From: Roger Salisbury
Sent: Friday, April 5, 2019 3:27:42 PM
To: Sarah Plowman; Eric Johnson; Scott Wilder
Cc: Jonathan Mitchell
Subject: Re: Tellus/LAN-TEL for MBHSR

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Fax: 617.635.2974

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 08, 2019 9:35 AM EDT
To: Jonathan Mitchell <Jonathan Mitchell <jmitchell@tellus.us>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>
Subject: Re: Tellus/LAN-TEL for MBHSR

Hi all,

I'm running off to a meeting shortly but wanted to touch base -- when you said you're in town Tuesday, you meant tomorrow (April 9), correct? Unfortunately I'm at a 3-day training Tues-Thursday this week, so I'm unavailable to connect. So sorry!

Regarding the deliverables, I'll circle back around to this later in the week, Roger. I think we're on the right track and I'm not concerned! We'll just talk more to firm up the details.

Thanks,
Sarah

On Fri, Apr 5, 2019 at 3:31 PM Jonathan Mitchell <jmitchell@tellus.us> wrote:

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Subject: Re: Tellus/LAN-TEL for MBHSR

Thank you, Sarah. And yes, I meant tomorrow, April 9th. We will come see you next time.

Thanks,

Jonathan Mitchell
801-913-3223 mobile

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 8, 2019 9:35:29 AM
To: Jonathan Mitchell
Cc: Eric Johnson; Scott Wilder; Roger Salisbury
Subject: Re: Tellus/LAN-TEL for MBHSR

Hi all,

I'm running off to a meeting shortly but wanted to touch base -- when you said you're in town Tuesday, you meant tomorrow (April 9), correct? Unfortunately I'm at a 3-day training Tues-Thursday this week, so I'm unavailable to connect. So sorry!

Regarding the deliverables, I'll circle back around to this later in the week, Roger. I think we're on the right track and I'm not concerned! We'll just talk more to firm up the details.

Thanks,
Sarah

On Fri, Apr 5, 2019 at 3:31 PM Jonathan Mitchell <jmitchell@tellus.us> wrote:

> Hi Sarah,
>
> As Roger mentioned, I'll be in Boston next week. Would you be available on Tuesday afternoon for a short visit?
>
> Thank you,
>
> Jonathan Mitchell
> 801-913-3223 mobile
>
> ---
>
> **From:** Roger Salisbury
> **Sent:** Friday, April 5, 2019 3:27:42 PM
> **To:** Sarah Plowman; Eric Johnson; Scott Wilder
> **Cc:** Jonathan Mitchell
> **Subject:** Re: Tellus/LAN-TEL for MBHSR
>
> Sarah,
>
> >From the big picture, your assessment looks good.
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> As far as follow up activities:
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> - **Documentation for training:** Yes, I agreed to do this. Shortly after our call, I had an unfortunate computer crash and it knocked me behind on several things. Between that and some business related travel, I haven't gotten to that yet. Planning to do so by end of next week.
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Thanks,
Roger Salisbury
Customer Champion
Sales & Marketing
Tellus
801-397-3973 x5146
FATPOT Technologies is now Tellus

On 4/3/2019 12:24 PM, Sarah Plowman wrote:

> Hi Eric, Roger, and Scott,
>
> Hope you're doing well this new month. It's been a few weeks since our conference call, so I wanted to reach out again to do a bit of recap and ensure I'm on the same page as you all with wrapping up this contract.
>
> The contract consists of two main parts: Phase IVA and Phase IVB, plus project management (PM). To date, invoices have been paid in the following amounts:
>
> - $23,000 (IVA)
> - $51,520 (split IVA $41,520 and IVB $10,000)
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> This adds up to $99,120 toward IVA, $60,000 toward IVB, and $25,000 toward PM. According to the attached Dec 13, 2017 proposal (referenced also on the invoices), the total breakdown per section of the contract is: $123,841 IVA, $76,159 IVB, and $40,000 PM.
>
> **Thus, remaining to date on the PO is a balance of $55,880 which is comprised of $24,721 toward IVA, $16,159 toward IVB, and $15,000 PM.** That is how I expect the final invoice to be delineated.
>
> With the final invoice, we had also discussed Tellus/LAN-TEL providing OEM with additional documentation to speak to the training piece, the product as a whole, and including community engagement as well. I remember Jonathan saying he was planning a visit this way end of April or early May. That being the case, I am anticipating the final invoice wouldn't come until mid-May when the notes from his visit can be included in the final documentation.
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> Am I missing anything else? Do any of you have other questions/concerns? Please also confirm that what I've captured in this email is the understanding of you all as well.
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> Thanks so much,
> Sarah
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> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Roger Salisbury <rsalisbury@tellus.us>
Sent: Monday, April 08, 2019 6:34 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Jonathan Mitchell <Jonathan Mitchell <jmitchell@tellus.us>>
Subject: Re: Tellus/LAN-TEL for MBHSR ** OEM REMOVED **

Hi Kate, Eric,

I've been working to reconcile the amounts that Sarah from OEM shared. Although they make sense in totality, specific payments are puzzling me. I also have a question about an outstanding invoice that you might be able to answer.

Can we get on a call in the next couple days to review? I'd prefer it to be a meeting where you can look at my screen so we can document and sort out some of these numbers.

Let me know a good date & time.

Thanks,
Roger Salisbury
Customer Champion
Sales & Marketing
Tellus
801-397-3973 x5146
FATPOT Technologies is now Tellus

On 4/5/2019 1:27 PM, Roger Salisbury wrote:

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Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

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From: Linda Calnan <linda.calnan@boston.gov>
Sent: Tuesday, April 09, 2019 3:00 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting Status Report
Attachment(s): "Security Camera Strategy Meeting_4-10-19.docx"

Hi all -
Attached is the status report for tomorrow's meeting. For those preparing for the Marathon, we will keep this meeting brief.

Thanks.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Roger Salisbury <rsalisbury@tellus.us>
Sent: Friday, April 12, 2019 4:01 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Tellus/LAN-TEL for MBHSR
Attachment(s): "Boston Project Report - Milestone IVa-#4.docx","FLIR-FATPOT Integration Manual rev20190110.pdf"

Sarah,

Please find the attached report and supporting administrators manual related to the testing and training for the Flir Camera integration. Please let me know if you have any questions.

If this meets your needs from a project oversight perspective, we ask that you approve payment for $24,721 toward IVA. It may be that LAN-TEL will also ask for some of the remaining $15,000 project management overhead in addition. Naturally, the invoicing will come from them if approved.

Thanks,
Roger Salisbury
Customer Champion
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Tellus
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On 4/5/2019 1:27 PM, Roger Salisbury wrote:

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Mayor's Office of Emergency Management
Boston City Hall, Room 204

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Phone: 617.635.1400
Fax: 617.635.2974

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 15, 2019 12:39 PM EDT
To: Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>
BCC: John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; David Mahoney <David Mahoney <damahoney@cambridgefire.org>>; Ed Hernandez Sr. < Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Ellison Patterson Jr. < Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>
Subject: UASI PSnet Meeting Reminder
Attachment(s): "2.26.19 PSNEC mtg minutes DRAFT.doc"

Hello PSnet folks,

Hope you're all enjoying a nice Marathon Monday! Just a reminder that we are meeting***one week from today, Tuesday, April 23, at 3pm at 11am at Deer Island in Winthrop.***

For your review, I have attached the February meeting minutes. Please remember to bring ID to get in the gate at Deer Island. Also, if you have not yet RSVP'd to the Google calendar invite, please do so asap so that I can give an updated guest list to the MWRA.

Thanks!
Sarah

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, April 18, 2019 9:50 AM EDT
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Microsoft for new Blade Servers

Hi Scott, Chuck, and Eric,

Just to close the loop on this - we will not be able to purchase Microsoft 2012 licenses for the new servers. I have asked CDWG, HiQ, and Hub Tech, and all three tell me that they are only able to sell the most recent licenses. While it will be a chore to start with 2019 licenses and downgrade back to 2012, that is what we will have to do. Please plan accordingly. I will put the order in next week with one of those vendors.

Thanks very much,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Thursday, April 18, 2019 4:56 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Re: Microsoft for new Blade Servers
Attachment(s): "WindowsServer2016VirtualTech_VLBrief.pdf","smime.p7s"

Sarah,

I understand that your preferred suppliers are not selling existing licenses for Windows Server 2012. However, the implications of switching to the new 2016/2019 licensing model could potentially be significant for PSnet.

Since Boston's IT Department seems to use a lot of VMware vSphere hosts, and they also use Windows Server software, it might be helpful to seek their input on what options make sense. I would be particularly interested if they have encountered the sort of issue we're dealing with where they have added servers as vSphere ESXi hosts, and then licensed Windows Server 2016 or 2019 on that host. Did they acquire Datacenter licenses, or are they ordering multiple instances of the standard licenses to meet any Microsoft requirements for licensing of Windows Server VMs (OSEs in Microsoft parlance)? Also, what are the implications for operating a mix of Windows Server versions (especially pre-2016 alongside 2016/2019) in a vSphere context.

Here is a link to the best article I've come across that describes how the new Microsoft server licensing plays out in practice:

. <https://virtuallyinclined.com/2016/11/22/microsoft-takes-a-shot-at-vmware-with-windows-server-2016-licensing-changes-and-enforcement-push/>

I have thoroughly reviewed all of the information available from Microsoft and many other sources. One question that remains unclear is whether or not we can use the Datacenter versions of WS2016/2019 running on top of vSphere ESXi and still be able to install an unlimited number of Windows Server VMs, as we can currently do with the WS2012R2 Datacenter licenses.

To illustrate the vagueness of Microsoft's documentation, here is an excerpt from a Tech Brief that is supposed to address these questions (see attached pdf starting at the bottom of page 4):

> **Licensing Windows Server for use with VMware vMotion and Microsoft System Center Virtual Machine Manager**
>
> The same licensing rules apply when using Windows Server with VMware vMotion and System Center Virtual Machine Manager. While VMware vMotion and System Center Virtual Machine Manager move virtual OSEs between physical servers, the licenses remain with the physical server to which they were assigned. When an OSE is moved to a new physical server, that new server must already have appropriate licenses assigned to it (see the Clustering, failing over, and moving instances section). As Windows Server Datacenter permits an unlimited number of instances of the server software to run in virtual OSEs, in multi-server installations with VMware vMotion, and System Center Virtual Machine Manager, it offers the greatest flexibility to move OSEs between servers without having to track the number of instances running or worry about being under-licensed.
>
> For Windows Server software, except in a few cases, licenses may only be reassigned to new hardware after 90 days. This, however, does not restrict the dynamic movement of virtual OSEs between licensed servers. As long as the servers are licensed and each server individually does not run more instances than the number for which it is licensed, you are free to use VMware vMotion and System Center Virtual Machine Manager to move virtual OSEs between licensed servers at will.

In one reading of the above, it appears to say that the Datacenter license does allow an unlimited number of virtual OSEs (Windows VMs), but they only seem to allow this if Microsoft's System Center Virtual Machine Manager is used. However, System Center is another licensed software package that we don't need, since this competes directly with VMware's vCenter, which we have already licensed.

Perhaps the most important question for us is if we can run both WS2019 and WS2012 Datacenter licensed hosts in a compliant manner within a vSphere context. My concern is that bringing WS2019 into the mix could make it necessary for us to also upgrade the WS2012 Datacenter hosts. This will get real expensive really fast. Even if Microsoft licensing does not absolutely mandate this upgrade, it may be that from a practical operational perspective, we may find it necessary. There are also potential implications for our MS SQL and SharePoint licenses, since these were licensed under WS2012. And, I haven't even touched on the thorny issue of CALs, and whether or not we'll need to purchase upgrades for existing CALs associated with WS2012.

As an aside, I suspect you can now see why I explicitly spec'ed the new server blades to be only 16 cores.

The bottom line is that it would be much simpler if we could stick with what we've already got, since WS2012R2 is perfectly adequate for our purposes. If we can't, then we need to ascertain exactly what we need to order, and come to grips with the reality that this may require a much larger expenditure in order to stay compliant with Microsoft's terms.

...Chuck

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

On 4/18/19 9:50 AM, Sarah Plowman wrote:

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, April 19, 2019 10:11 AM EDT
To: Chuck Wade <Chuck Wade <Chuck@interisle.net>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>
Subject: Re: Microsoft for new Blade Servers

Thanks for this. I will reach out to DoIT and see what they do and what they recommend.

On Thu, Apr 18, 2019 at 4:56 PM Chuck Wade <Chuck@interisle.net> wrote:

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> > **Licensing Windows Server for use with VMware vMotion and Microsoft System Center Virtual Machine Manager**
> >
> > The same licensing rules apply when using Windows Server with VMware vMotion and System Center Virtual Machine Manager. While VMware vMotion and System Center Virtual Machine Manager move virtual OSEs between physical servers, the licenses remain with the physical server to which they were assigned. When an OSE is moved to a new physical server, that new server must already have appropriate licenses assigned to it (see the Clustering, failing over, and moving instances section). As Windows Server Datacenter permits an unlimited number of instances of the server software to run in virtual OSEs, in multi-server installations with VMware vMotion, and System Center Virtual Machine Manager, it offers the greatest flexibility to move OSEs between servers without having to track the number of instances running or worry about being under-licensed.
> >
> > For Windows Server software, except in a few cases, licenses may only be reassigned to new hardware after 90 days. This, however, does not restrict the dynamic movement of virtual OSEs between licensed servers. As long as the servers are licensed and each server individually does not run more instances than the number for which it is licensed, you are free to use VMware vMotion and System Center Virtual Machine Manager to move virtual OSEs between licensed servers at will.
>
> In one reading of the above, it appears to say that the Datacenter license does allow an unlimited number of virtual OSEs (Windows VMs), but they only seem to allow this if Microsoft's System Center Virtual Machine Manager is used. However, System Center is another licensed software package that we don't need, since this competes directly with VMware's vCenter, which we have already licensed.
>
> Perhaps the most important question for us is if we can run both WS2019 and WS2012 Datacenter licensed hosts in a compliant manner within a vSphere context. My concern is that bringing WS2019 into the mix could make it necessary for us to also upgrade the WS2012 Datacenter hosts. This will get real expensive really fast. Even if Microsoft licensing does not absolutely mandate this upgrade, it may be that from a practical operational perspective, we may find it necessary. There are also potential implications for our MS SQL and SharePoint licenses, since these were licensed under WS2012. And, I haven't even touched on the thorny issue of CALs, and whether or not we'll need to purchase upgrades for existing CALs associated with WS2012.
>
> As an aside, I suspect you can now see why I explicitly spec'ed the new server blades to be only 16 cores.

The bottom line is that it would be much simpler if we could stick with what we've already got, since WS2012R2 is perfectly adequate for our purposes. If we can't, then we need to ascertain exactly what we need to order, and come to grips with the reality that this may require a much larger expenditure in order to stay compliant with Microsoft's terms.

...Chuck

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

On 4/18/19 9:50 AM, Sarah Plowman wrote:

> Hi Scott, Chuck, and Eric,
>
> Just to close the loop on this - we will not be able to purchase Microsoft 2012 licenses for the new servers. I have asked CDWG, HiQ, and Hub Tech, and all three tell me that they are only able to sell the most recent licenses. While it will be a chore to start with 2019 licenses and downgrade back to 2012, that is what we will have to do. Please plan accordingly. I will put the order in next week with one of those vendors.
>
> Thanks very much,
> Sarah
>
> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
> Fax: 617.635.2974

--
Sarah Plowman
Regional Planner
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From: Chuck Wade <Chuck@Interisle.net>
Sent: Friday, April 19, 2019 1:11 PM EDT
To: Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
CC: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: Draft recommendations on Windows Server licensing
Attachment(s): "smime.p7s"

Sarah,

As we've outlined, Microsoft licensing is obscenely complicated, and changes to their licensing models only add to this complexity. When using Windows Server in a non-Microsoft virtualized environment (specifically, VMware vSphere), things become even more complicated. I think it is fair to observe that Microsoft's agenda is not consistent with their customers objectives. Furthermore, Microsoft has become much more aggressive in recent years with their audits of customers using Windows Server licenses, with many of their customers surprised to find that they are not in compliance due to licensing technicalities.

For these, and other reasons, we have recommended an approach that minimizes risks, support burden, and costs. This recommendation is based on the reality that PSnet needs are adequately met by the current Windows Server 2012R2 Datacenter licenses already in use on the four existing Blade servers (two per hosting center). Consequently, the simplest thing would be to just acquire equivalent licenses for the two new Blade servers that are being purchased (one each per hosting center).

However, Boston Purchasing appears to have taken a position that they cannot acquire the older Windows Server 2012 licenses, despite availability of these licenses in the market.

In order to get us over this hurdle with ordering Microsoft Windows Server licenses for the two new Blade Servers, we have laid out three options that I hope will simplify making a decision. The first option is our original preferred recommendation to acquire licenses that are the exact equivalent of what we currently have deployed. Assuming that option 1 won't be pursued, we offer options 2 and 3, presented below in priority order:

Option 1: Acquire two Windows Server 2012R2 Datacenter OLP licenses

- **Pros**
  - Maintains the current Windows Server virtualized environment as it currently is.
  - This will be the easiest to support as we add a new server to each of the PSnet hosting centers.
  - Lowest risk option.
  - Costs will be lowest with this option
- **Cons**
  - None, really.

Option 2: Acquire two Windows Server 2019 Datacenter OLP licenses for new servers plus four upgrades for existing servers to Windows Server 2019 Datacenter

- **Pros**
  - Allows PSnet hosting centers to transition to the latest version of Windows Server.
  - Establishes a new technology basis for all Windows Server VMs and associated applications.
  - The entire Windows Server software context will be on a consistent licensing model.
  - Low risk.
  - Potentially resolves some issues with CALs.
- **Cons**
  - Expensive! Upgrade costs for current Windows Server 2012R2 Datacenter licenses will likely be equivalent to buying new Windows Server 2019 Datacenter licenses.
  - Up front support burden, since all currently deployed Windows Server VMs would need to be upgraded, though this can be done incrementally.

Option 3: Acquire two Windows Server 2019 Datacenter OLP licenses and downgrade to WS2012R2

- **Pros**
  - Maintains the current Windows Server virtualized environment as it currently is.
  - Support effort should be about the same as for Option 1; i.e., minimal extra effort required.
  - A future upgrade to new Windows Server versions would only entail upgrading existing Windows Server 2012 licenses (i.e., for four existing Blade servers)
  - Costs only slightly more than Option 1 (but only because we constrained the number of cores included with the new Blade servers).
- **Cons**
  - PSnet hosting centers will be operating under two different Microsoft licensing models. In practice, the new licensing model will probably apply to the existing Windows Server 2012 installations.
  - No benefits from new licensing model or Windows Server 2019.
  - Some unknowns associated with CALs and support for existing Microsoft SQL and SharePoint licenses.

- Potential extra burdens with software license audit requirements.
- Higher risks.

Assuming that the new Datacenter licenses will allow us to continue to support an unlimited number of Windows Server VMs on each of the PSnet Blade servers operating under VMware vSphere ESXi hypervisor, then we can proceed with any of the above options. Therefore, the decision as to which option to pursue should be made by the PSnet Executive Committee and OEM along with Boston Purchasing.

We do recommend that, when placing the order, we obtain*written confirmation from the reseller or Microsoft that the Datacenter version of the new Windows Server licenses will support an unlimited number of Windows Server VMs (a.k.a., Virtual OSEs) on the licensed hosts operating in a VMware vSphere context with full vMotion support.* Alternatively, a statement to this effect could be added to the order. Despite my best efforts, including direct interactions with Microsoft, I have been unable to get a clear statement to this effect. Microsoft's equivocation on this question is a reason for concern, even though it does appear that the Datacenter license will allow the unlimited use of Windows Server VMs with vMotion that we expect.

...Chuck
--

Chuck Wade, Principal
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From: Scott Wilder <swilder@brooklinema.gov>
Sent: Friday, April 19, 2019 1:57 PM EDT
To: Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>
CC: Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>
Subject: RE: Draft recommendations on Windows Server licensing

Chuck's points are all valid, if Boston purchasing will not purchase the licenses we need this needs to be brought to the Jpocs attention, here we go again.
This is not a Boston purchase, this a region wide purchase, other than that we will have to go with the expensive option and replacing all the server licenses with all the associated costs, which will also have to go before the JPOCs.
Or, have another agency purchase the 2012 licenses and have OEM re-reimburse that city., that would eliminate dealing with the Boston side of the issue.

Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, April 19, 2019 1:12 PM
To: Sarah Plowman <Sarah.Plowman@Boston.gov>
Cc: Scott Wilder <swilder@brooklinema.gov>; Eric Johnson <EJohnson@LAN-TEL.com>; Colin Strutt <Colin@Interisle.net>
Subject: Draft recommendations on Windows Server licensing
Importance: High

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  - Allows PSnet hosting centers to transition to the latest version of Windows Server.
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  - Expensive! Upgrade costs for current Windows Server 2012R2 Datacenter licenses will likely be equivalent to buying new Windows Server 2019 Datacenter licenses.
  - Up front support burden, since all currently deployed Windows Server VMs would need to be upgraded, though this can be done incrementally.

Option 3: Acquire two Windows Server 2019 Datacenter OLP licenses and downgrade to WS2012R2

- **Pros**
  - Maintains the current Windows Server virtualized environment as it currently is.
  - Support effort should be about the same as for Option 1; i.e., minimal extra effort required.
  - A future upgrade to new Windows Server versions would only entail upgrading existing Windows Server 2012 licenses (i.e., for four existing Blade servers)
  - Costs only slightly more than Option 1 (but only because we constrained the number of cores included with the new Blade servers).
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...Chuck
--

Chuck Wade, Principal
Interisle Consulting Group
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+1 508 277-6439 Mobile
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, April 19, 2019 3:10 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Quote error
Attachment(s): "Revere 5 sites REVISED 2019 (2).pdf"

Hi Eric,

I'm just reviewing this quote and I believe there's an error in it. For Salem St, since you are only installing two cameras, should the quantity of camera licenses be 2 and not 3?

Thanks,
Sarah

--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, April 19, 2019 3:44 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Quote error

You are correct . I believe Revere originally asked for an LPR camera for this site and then they changed last minute to another location. The camera licenses were not subtracted correctly for that site. Sorry for any confusion.

Respectfully,

Eric Johnson
Security Project Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Apr 19, 2019, at 3:11 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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Thanks,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
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Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, April 19, 2019 3:49 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Quote error

That's okay, just wanted to confirm. And I noticed the numbers of antennas vary per site. That's all correct?

On Fri, Apr 19, 2019 at 3:44 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

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> http://linkedin.com/in/eric-johnson-9702a62b.
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Regional Planner
Mayor's Office of Emergency Management
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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974

From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Friday, April 19, 2019 3:56 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Re: Quote error

They are because of location .
We have to make hop sites to connect to existing connections

Respectfully,

Eric Johnson
Security Project Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062
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http://linkedin.com/in/eric-johnson-9702a62b.

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On Apr 19, 2019, at 3:49 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, April 19, 2019 4:00 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Quote error

Gotcha. Thanks!

On Fri, Apr 19, 2019 at 3:56 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

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> Respectfully,
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> Eric Johnson
> **Security Project Manager**
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Friday, April 19, 2019 4:21 PM EDT
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>
Subject: Re: Draft recommendations on Windows Server licensing

Just for clarity --

The first and foremost problem is that none of our existing vendors offer 2012 licenses, that I am aware of. I have asked CDWG, Hub Tech, and HiQ. They only offer current 2019 licenses. I did look up all three of the vendors Chuck suggested in a previous email, and while they may sell 2012 licenses, none of them are existing vendors with the City of Boston system. It's not an overly complicated process for them to become vendors, but they would have to do that step at a minimum for us to consider purchasing from them. If they don't have a vendor ID, I can't generate a PO for them. That's not on Purchasing, that's just how the system works.

Secondarily, I am unfamiliar with Purchasing Dept's policies regarding software resellers as vendors in general. I have reached out, but what with it being 4pm on a Friday I don't expect a response until Monday or Tuesday. I asked if they could get back to me prior to our PSnet meeting so that we can discuss. If Purchasing is okay with it, then I'm okay with it, provided we can identify a City vendor who offers the 2012 licenses.

Scott, I like your idea of having another city procure the licenses. Unfortunately we can't issue award letters to other jurisdictions for regional purchases. For example, if I gave Brookline an award letter so that you could procure these, it would be tied to your MOA and the balance would be deducted from your MOA contract alone. Additionally, the procurement accounting codes wouldn't match - they would need to be regional to reflect the nature of PSnet but they would also need to be Brookline's code since it's tied to your MOA... and I can't put down both codes; it's only one or the other.

The best case scenario is that Purchasing tells me that Chuck's resellers are no problem and we can reach out to them to encourage them to become City vendors. Unless both of those things happen, we will have to go with 2019 licenses, either 2 and downgrade the existing, or 6 and upgrade all.

We'll figure this out, don't worry. And if it's a cost we have to pay, then we will. I'm not overly concerned about that.

Hope you all have a nice weekend. See you all on Tuesday!
Sarah

On Fri, Apr 19, 2019 at 1:57 PM Scott Wilder <swilder@brooklinema.gov> wrote:

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> **From:** Chuck Wade [mailto:Chuck@Interisle.net]
> **Sent:** Friday, April 19, 2019 1:12 PM
> **To:** Sarah Plowman <Sarah.Plowman@Boston.gov>
> **Cc:** Scott Wilder <swilder@brooklinema.gov>; Eric Johnson <EJohnson@LAN-TEL.com>; Colin Strutt <Colin@Interisle.net>
> **Subject:** Draft recommendations on Windows Server licensing
> **Importance:** High
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- **Cons**
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Sarah Plowman
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Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
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Subject: Re: Draft recommendations on Windows Server licensing

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Respectfully,

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Security Project Manager

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TWITTER : @ejctown

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CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>
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>   - Costs will be lowest with this option
> - **Cons**
>   - None, really.

Option 2: Acquire two Windows Server 2019 Datacenter OLP licenses for new servers plus four upgrades for existing servers to Windows Server 2019 Datacenter

- **Pros**
  - Allows PSnet hosting centers to transition to the latest version of Windows Server.
  - Establishes a new technology basis for all Windows Server VMs and associated applications.
  - The entire Windows Server software context will be on a consistent licensing model.
  - Low risk.
  - Potentially resolves some issues with CALs.
- **Cons**
  - Expensive! Upgrade costs for current Windows Server 2012R2 Datacenter licenses will likely be equivalent to buying new Windows Server 2019 Datacenter licenses.
  - Up front support burden, since all currently deployed Windows Server VMs would need to be upgraded, though this can be done incrementally.

Option 3: Acquire two Windows Server 2019 Datacenter OLP licenses and downgrade to WS2012R2

- **Pros**
  - Maintains the current Windows Server virtualized environment as it currently is.
  - Support effort should be about the same as for Option 1; i.e., minimal extra effort required.
  - A future upgrade to new Windows Server versions would only entail upgrading existing Windows Server 2012 licenses (i.e., for four existing Blade servers)
  - Costs only slightly more than Option 1 (but only because we constrained the number of cores included with the new Blade servers).
- **Cons**
  - PSnet hosting centers will be operating under two different Microsoft licensing models. In practice, the new licensing model will probably apply to the existing Windows Server 2012 installations.
  - No benefits from new licensing model or Windows Server 2019.
  - Some unknowns associated with CALs and support for existing Microsoft SQL and SharePoint licenses.
  - Potential extra burdens with software license audit requirements.
  - Higher risks.

Assuming that the new Datacenter licenses will allow us to continue to support an unlimited number of Windows Server VMs on each of the PSnet Blade servers operating under VMware vSphere ESXi hypervisor, then we can proceed with any of the above options. Therefore, the decision as to which option to pursue should be made by the PSnet Executive Committee and OEM along with Boston Purchasing.

We do recommend that, when placing the order, we obtain*written confirmation from the reseller or Microsoft that the Datacenter version of the new Windows Server licenses will support an unlimited number of Windows Server VMs (a.k.a., Virtual OSEs) on the licensed hosts operating in a VMware vSphere context with full vMotion support.* Alternatively, a statement to this effect could be added to the order. Despite my best efforts, including direct interactions with Microsoft, I have been unable to get a clear statement to this effect. Microsoft's equivocation on this question is a reason for concern, even though it does appear that the Datacenter license will allow the unlimited use of Windows Server VMs with vMotion that we expect.

...Chuck

--

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

--

Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

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From: Scott Wilder <swilder@brooklinema.gov>
Sent: Saturday, April 20, 2019 10:59 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>
Subject: RE: Draft recommendations on Windows Server licensing

Hi Sarah,
Thanks for the explanation.
I'm sure we will figure something out.

Scott

From: Sarah Plowman [mailto:sarah.plowman@boston.gov]
Sent: Friday, April 19, 2019 4:22 PM
To: Scott Wilder <swilder@brooklinema.gov>
Cc: Chuck Wade <Chuck@interisle.net>; Eric Johnson <EJohnson@lan-tel.com>; Colin Strutt <Colin@interisle.net>
Subject: Re: Draft recommendations on Windows Server licensing
Importance: High

Just for clarity --

The first and foremost problem is that none of our existing vendors offer 2012 licenses, that I am aware of. I have asked CDWG, Hub Tech, and HiQ. They only offer current 2019 licenses. I did look up all three of the vendors Chuck suggested in a previous email, and while they may sell 2012 licenses, none of them are existing vendors with the City of Boston system. It's not an overly complicated process for them to become vendors, but they would have to do that step at a minimum for us to consider purchasing from them. If they don't have a vendor ID, I can't generate a PO for them. That's not on Purchasing, that's just how the system works.

Secondarily, I am unfamiliar with Purchasing Dept's policies regarding software resellers as vendors in general. I have reached out, but what with it being 4pm on a Friday I don't expect a response until Monday or Tuesday. I asked if they could get back to me prior to our PSnet meeting so that we can discuss. If Purchasing is okay with it, then I'm okay with it, provided we can identify a City vendor who offers the 2012 licenses.

Scott, I like your idea of having another city procure the licenses. Unfortunately we can't issue award letters to other jurisdictions for regional purchases. For example, if I gave Brookline an award letter so that you could procure these, it would be tied to your MOA and the balance would be deducted from your MOA contract alone. Additionally, the procurement accounting codes wouldn't match - they would need to be regional to reflect the nature of PSnet but they would also need to be Brookline's code since it's tied to your MOA... and I can't put down both codes; it's only one or the other.

The best case scenario is that Purchasing tells me that Chuck's resellers are no problem and we can reach out to them to encourage them to become City vendors. Unless both of those things happen, we will have to go with 2019 licenses, either 2 and downgrade the existing, or 6 and upgrade all.

We'll figure this out, don't worry. And if it's a cost we have to pay, then we will. I'm not overly concerned about that.

Hope you all have a nice weekend. See you all on Tuesday!
Sarah

On Fri, Apr 19, 2019 at 1:57 PM Scott Wilder <swilder@brooklinema.gov> wrote:

> Chuck's points are all valid, if Boston purchasing will not purchase the licenses we need this needs to be brought to the Jpocs attention, here we go again.
> This is not a Boston purchase, this a region wide purchase, other than that we will have to go with the expensive option and replacing all the server licenses with all the associated costs, which will also have to go before the JPOCs.
> Or, have another agency purchase the 2012 licenses and have OEM re-reimburse that city., that would eliminate dealing with the Boston side of the issue.
>
> Scott
>
> ---
>
> **From:** Chuck Wade [mailto:Chuck@Interisle.net]
> **Sent:** Friday, April 19, 2019 1:12 PM
> **To:** Sarah Plowman <Sarah.Plowman@Boston.gov>
> **Cc:** Scott Wilder <swilder@brooklinema.gov>; Eric Johnson <EJohnson@LAN-TEL.com>; Colin Strutt <Colin@Interisle.net>
> **Subject:** Draft recommendations on Windows Server licensing
> **Importance:** High
>
> Sarah,
>
> As we've outlined, Microsoft licensing is obscenely complicated, and changes to their licensing models only add to this complexity. When using Windows Server in a non-Microsoft virtualized environment (specifically, VMware vSphere), things become even more

complicated. I think it is fair to observe that Microsoft's agenda is not consistent with their customers objectives. Furthermore, Microsoft has become much more aggressive in recent years with their audits of customers using Windows Server licenses, with many of their customers surprised to find that they are not in compliance due to licensing technicalities.

For these, and other reasons, we have recommended an approach that minimizes risks, support burden, and costs. This recommendation is based on the reality that PSnet needs are adequately met by the current Windows Server 2012R2 Datacenter licenses already in use on the four existing Blade servers (two per hosting center). Consequently, the simplest thing would be to just acquire equivalent licenses for the two new Blade servers that are being purchased (one each per hosting center).

However, Boston Purchasing appears to have taken a position that they cannot acquire the older Windows Server 2012 licenses, despite availability of these licenses in the market.

In order to get us over this hurdle with ordering Microsoft Windows Server licenses for the two new Blade Servers, we have laid out three options that I hope will simplify making a decision. The first option is our original preferred recommendation to acquire licenses that are the exact equivalent of what we currently have deployed. Assuming that option 1 won't be pursued, we offer options 2 and 3, presented below in priority order:

Option 1: Acquire two Windows Server 2012R2 Datacenter OLP licenses

- **Pros**
    - Maintains the current Windows Server virtualized environment as it currently is.
    - This will be the easiest to support as we add a new server to each of the PSnet hosting centers.
    - Lowest risk option.
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Fax: 617.635.2974

From: Linda Calnan <linda.calnan@boston.gov>
Sent: Monday, April 22, 2019 3:21 PM EDT
To: Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Reidy, Richard; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) < Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>
CC: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
Subject: Security Camera Strategy Meeting Status Updates
Attachment(s): "Security Camera Strategy Meeting_4-24-19.docx"

Attached is the status report for Wednesday's Security Camera meeting.

Linda Calnan
Sr. Project Manager | Department of Innovation & Technology (DoIT) | City of Boston

1 City Hall Square, Room 109
Boston, MA 02201
D: 617-635-2875
C: 781-738-2020
linda.calnan@boston.gov

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 22, 2019 3:37 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

Hi Eric and Scott --

Anything on this? Some info before we meet again tomorrow would be helpful.

Thank you,
Sarah

On Wed, Apr 3, 2019 at 12:08 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Hi Eric & Scott,
>
> Just following up because I never heard back from either of you on this. (See below)
>
> Thanks,
> Sarah
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> On Tue, Mar 19, 2019 at 5:48 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:
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> > Well, I bring it up because due to our funding source being a federal grant, we have certain compliance steps we'd need to take in order to make use of that component. I'm attaching a paragraph here that references a SOP (and yes, while it specifically calls out "purchase," renting/leasing the equipment follows the same standards here). If you don't have one, we may need to move ahead with putting a contract together for the MACU without that capability. But if you do have something that meets this criteria, or would be willing to write one, we can talk further about including it. Let me know your thoughts.
> >
> > Thanks,
> > Sarah
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> > 6. Small Unmanned Aircraft Systems (AEL #03OE-07-SUAS - System, Small Unmanned Aircraft) are considered aircraft and are required to meet the requirements in #3 above. In addition, all requests to purchase SUAS with FEMA grant funding must also include copies of the policies and procedures in place to safeguard individuals' privacy, civil rights, and civil liberties of the jurisdiction that will purchase, take title to, or otherwise use the SUAS equipment, see Presidential Memorandum: Promoting Economic Competitiveness While Safeguarding Privacy, Civil Rights, and Civil Liberties, in Domestic Use of Unmanned Aircraft Systems, issued February 20, 2015.
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> > >
> > > I am ccing Scott Torressen of Lan -Tel since he is more involved with drone aspect so we can discuss at some point .
> > >
> > > Obviously we could put one together for you specific to UASI , or we just take the drone out of the offering to UASI .
> > >
> > > We can offer services a la carte , we will or would never offer all or nothing .
> > >
> > > Respectfully,
> > >
> > > Eric Johnson
> > > **Project Manager**
> > > 1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
> > > **M 617-785-8254**
> > > **| www.lan-tel.com. I** Twitter
> > >
> > > ejohnson@lan-tel.com ☘□
> > >
> > > TWITTER : @ejctown
> > >
> > > http://linkedin.com/in/eric-johnson-9702a62b.
> > >
> > > www.lan-tel.com

On Mar 15, 2019, at 3:12 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Got it. Another question: does LAN-TEL have a SOP for the drone component specifically?
>
> On Tue, Mar 12, 2019 at 10:59 Eric Johnson <ejohnson@lan-tel.com> wrote:
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>> http://linkedin.com/in/eric-johnson-9702a62b.
>>
>> www.lan-tel.com

On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).

Also - have you offered the MACU services through a state contract vehicle before? I know CIMS is on a state contract.

On Tue, Feb 12, 2019 at 3:51 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

Thank you Sarah , We had a rate of $2500.00 that gets the truck and a technician for an event.

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Tuesday, February 12, 2019 3:42 PM
To: Eric Johnson
Cc: Jeff Everett Police
Subject: Re: Fw: MACU One Pager

Thanks for this. What we need to understand is the cost/rate per use (is it hourly and if so how much, or is it per event/day - and how much?). We also need to put into place a management structure so that we'll know when it has been reserved, and how to resolve issues like two different jurisdictions requesting use on the same day.

Finally, I'll note that we do not yet have a contract in place to use this unit. I will need to investigate how to get the various approvals in place, and figure out which state contract (or other mechanism) would work as a contract vehicle.

This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!

On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100,
NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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Sent: Monday, April 22, 2019 3:45 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager
Attachment(s): "dronelantelsop (1).pdf"

Sarah:
Here is an SOP we put together for discussion tomorrow.

Thanks
Eric

From: Sarah Plowman <sarah.plowman@boston.gov>
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Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

> Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).
>
> Also - have you offered the MACU services through a state contract vehicle before? I know CIMS is on a state contract.
>
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>> Thank you Sarah , We had a rate of $2500.00 that gets the truck and a technician for an event.
>>
>> ---
>>
>> **From:** Sarah Plowman <sarah.plowman@boston.gov>
>> **Sent:** Tuesday, February 12, 2019 3:42 PM
>> **To:** Eric Johnson
>> **Cc:** Jeff Everett Police
>> **Subject:** Re: Fw: MACU One Pager
>>
>> Thanks for this. What we need to understand is the cost/rate per use (is it hourly and if so how much, or is it per event/day - and how much?). We also need to put into place a management structure so that we'll know when it has been reserved, and how to resolve issues like two different jurisdictions requesting use on the same day.
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>> Finally, I'll note that we do not yet have a contract in place to use this unit. I will need to investigate how to get the various approvals in place, and figure out which state contract (or other mechanism) would work as a contract vehicle.
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>> This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!
>>
>> On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
>>>
>>> ---
>>>
>>> **From:** Eric Johnson
>>> **Sent:** Tuesday, November 27, 2018 4:16 PM
>>> **To:** brenda.jones@boston.gov
>>> **Subject:** Fwd: MACU One Pager
>>>
>>> Per your request
>>>
>>>
>>> Respectfully

Respectfully,

Eric Johnson
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ejohnson@lan-tel.com ☘

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http://linkedin.com/in/eric-johnson-9702a62b.

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Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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--
Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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Building 3, Suite 3100 | Norwood, MA 02062

www.LAN-TEL

info@LAN-TEL

1. PURPOSE:
The purpose of the LAN-TEL Communications (LAN-TEL) Unmanned Aerial System (UAS) policy is to set out clear guidelines for the operation of vehicles in support of the public safety services The overriding goal is to provide a framework for safe operation and the accomplishment of the mission required to satisfy the mission requirements under applicable rules and regulations.

2. SCOPE:
This policy will apply to all LAN-TEL Communications personnel and pilots authorized to operate UAS aircraft in support of a public safety mission.

2.1. The aviation policy is divided into authorized mission categories that the UAS may operate in at this time.
2.1.1. Structure Fire
2.1.2. Outdoor Fire
2.1.3 .Missing Person
2.1.4. Post Incident Assessment
2.1.5 Special Event

3. PROCEDURE:

3.1. LAN-TEL Communications personnel authorized to operate the UAS must meet the required minimum qualifications as put forth by the Federal Aviation Administration (FAA) for the operation of UAS craft. This requires at a minimum that the pilot holds a valid pilot FAA certificate of operation for UAS aircraft and the certificate is active.

LAN-TEL Communications authorized pilots must possess a valid FAA government UAS operator permit:

3.2. LAN-TEL Communications UAS pilots will operate the aircraft at all times with the safety of the public as the primary goal while making all efforts to accomplish the specific mission at hand.

3.3. The LAN-TEL Communications pilot will operate under the designation of Incident Commander. LAN-TEL Communications will be responsible for the oversight and operational use of all UAS operated by LAN-TEL Communications. The pilot will hold all FAA operational certifications and UAS operational flight experience. The pilot will also be responsible for the supervision of the UAS during the mission.

4. GENERAL OPERATIONAL REQUIREMENTS:

4.1. When arriving at the scene of a mission, the pilot will position his vehicle in such a location that would permit for the safe launch and recovery of the UAS. The launch

and recovery location of the UAS will be determined by the pilot and may not be collocated with the Incident Commander location if, at the sole discretion of the pilot, the mission can be better and safer accomplished from an alternative launch and recovery location.

4.2. If members of the public are nearby the pilot will then tape off a no entry zone for all others to not enter. This will be at least a 10 foot radius around the proposed takeoff and recovery point.

4.3. All operations should be in compliance with the FAA issued UAS operation guidelines AC-107-2 which are made a part of this policy. In addition, when operating at night, the UAS must have active visual strobe lights operational to allow for the identification of the craft in the air.

4.4. All LAN-TEL pilots will be assisted by a LAN-TEL field personnel who is a Visual Observer (VO) assisting the pilot during the operation of the
UAS. The primary responsibility of the VO will be to ensure the UAS remains clear of any potential collision hazard, maintain an awareness of the position of the UAS, and effectively communicate with the pilot.

4.5. The LAN-TEL Communications UAS pilot will operate under the direction of the Incident Commander but the pilot maintains the sole and exclusive responsibility of operating the UAS in a manner acceptable to the pilot. This might mean the refusal to fly if the situation is determined to be unsafe in the sole discretion of the UAS pilot in command (PIC).

4.6. LAN-TEL Communications will dispatch the UAS PIC secondary to any incident dispatch. It will be the decision of the incident commander to determine when the UAS should be dispatched to the approved incident mission types.
4.7. The LAN-TEL Communications PIC will be required to be in contact with the Incident Commander and LAN-TEL Communications VOs at all times when UAS is in flight
4.8. The UAS will be required to be held in an operational status at all times practical. This will require regular review of hardware and software and inspection of all components to maintain operational use and mission readiness.
4.9. The LAN-TEL Communications PIC will carry the UAS in his/her vehicle and be responsible for the delivery of the UAS and operation at a designated scene.

5. APPROVED UAS MISSION CATEGORIES
5.1. STRUCTURE FIRE
5.1.1. The LAN-TEL Communications UAS can serve a valuable role during a structure fire. Utilizing both the visual and FLIR (Forward Looking Infrared) camera on the aircraft the Commander can obtain significant information about the status of the fire and building.
5.1.2. Flight operations during a structure fire will be at the request of the commander,

but all operations are to be conducted in the manner approved by the PIC.

5.2. OUTDOOR FIRE

5.2.1. Outdoor fires can create a secondary complication regarding the operation in the line of sight if tall trees obstruct the pilot's view of the UAS. At the sole discretion of the pilot it may be necessary to request a ladder truck to lift the pilot up above obstructions to maintain a line of sight with the aircraft if the aircraft cannot accomplish the mission with solely a vertical ascent within the line of sight.

5.2.2. The utilization of the UAS at an outdoor fire will allow the scene commander to determine the extent of the fire and/or areas of the fire that should be prioritized. Utilizing the onboard FLIR camera will provide additional information not otherwise available.

5.3. MISSING PERSONS

5.3.1. Depending on the target search area of the missing person search area, it will most likely require the pilot to conduct flight operations from the bucket of the ladder truck to maintain line of sight operations. The need for the ladder truck and elevated platform will be at the sole discretion of the pilot.

5.3.2. Utilizing the onboard FLIR camera the UAS will have significant capabilities otherwise not available for the location of missing persons.

5.4. POST DISASTER ASSESSMENT

5.4.1. As soon as practical for aerial operations and under the guidance of Command, the UAS will start damage assessment over areas that would be deemed a priority for damage assessment. Video and photos would be evaluated for secondary flights.

5.4.2. The utilization of the UAS at a post disaster assessment will allow the Incident Commander and municipality to determine the extent of the damage caused by large scale disasters to determine priority of resources and response.

6. INFORMATION CAPTURED BY UAS DURING LAN-TEL COMMUNICATIONS RESPONSE

6.1. All visual images captured and recorded are the sole property of LAN-TEL Communications.

6.2. After a UAS flight, and as soon as practical, the LAN-TEL Communications UAS PIC will upload captured still and video image files to a secure storage location designated and approved by the corresponding agency.

6.3. The LAN-TEL Communications UAS PIC will submit a flight report as soon as practical after a mission flight to a designated person. This report will include details on the mission flown; including a narrative description of the mission including goals, outcome, measured flight time, and location or folder of saved mission information captured.

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 22, 2019 3:47 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

Thanks! We will review!

On Mon, Apr 22, 2019 at 3:45 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah:
> Here is an SOP we put together for discussion tomorrow.
>
> Thanks
> Eric
>
> ---
>
> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Monday, April 22, 2019 3:37 PM
> **To:** Eric Johnson
> **Cc:** Scott Torressen
> **Subject:** Re: MACU One Pager
>
> Hi Eric and Scott --
>
> Anything on this? Some info before we meet again tomorrow would be helpful.
>
> Thank you,
> Sarah
>
> On Wed, Apr 3, 2019 at 12:08 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:
>
> > Hi Eric & Scott,
> >
> > Just following up because I never heard back from either of you on this. (See below)
> >
> > Thanks,
> > Sarah
> >
> > On Tue, Mar 19, 2019 at 5:48 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:
> >
> > > Well, I bring it up because due to our funding source being a federal grant, we have certain compliance steps we'd need to take in order to make use of that component. I'm attaching a paragraph here that references a SOP (and yes, while it specifically calls out "purchase," renting/leasing the equipment follows the same standards here). If you don't have one, we may need to move ahead with putting a contract together for the MACU without that capability. But if you do have something that meets this criteria, or would be willing to write one, we can talk further about including it. Let me know your thoughts.
> > >
> > > Thanks,
> > > Sarah
> > >
> > > 6. Small Unmanned Aircraft Systems (AEL #03OE-07-SUAS - System, Small Unmanned Aircraft) are considered aircraft and are required to meet the requirements in #3 above. In addition, all requests to purchase SUAS with FEMA grant funding must also include copies of the policies and procedures in place to safeguard individuals' privacy, civil rights, and civil liberties of the jurisdiction that will purchase, take title to, or otherwise use the SUAS equipment, see Presidential Memorandum: Promoting Economic Competitiveness While Safeguarding Privacy, Civil Rights, and Civil Liberties, in Domestic Use of Unmanned Aircraft Systems, issued February 20, 2015.
> > >
> > > On Fri, Mar 15, 2019 at 3:21 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
> > >
> > > > We have never been asked for one We have our own internal checklist that we perform per FAA guidelines / and drone rules and operation . I think it would be hard to keep within a protocol since we don't know environment or event until asked .
> > > >
> > > > I am ccing Scott Torressen of Lan -Tel since he is more involved with drone aspect so we can discuss at some point .
> > > >
> > > > Obviously we could put one together for you specific to UASI , or we just take the drone out of the offering to UASI .

We can offer services a la carte , we will or would never offer all or nothing .

Respectfully,

Eric Johnson
Project Manager
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M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

On Mar 15, 2019, at 3:12 PM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Got it. Another question: does LAN-TEL have a SOP for the drone component specifically?

On Tue, Mar 12, 2019 at 10:59 Eric Johnson <ejohnson@lan-tel.com> wrote:

I guess we would prorate accordingly and if they need a tech . Etc . We will work with all communities . We have not worked this as a state contract since municipalities outside of UASi have only contracted for 1 day and under the threshold of state contract

Respectfully,

Eric Johnson
Project Manager
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http://linkedin.com/in/eric-johnson-9702a62b.

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On Mar 12, 2019, at 10:49 AM, Sarah Plowman <sarah.plowman@boston.gov> wrote:

Eric - what if an event is multiple days? For example, Revere is interested in using the vehicle for their Sand Castles weekend (July 26-28).

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Sent: Tuesday, February 12, 2019 3:42 PM
To: Eric Johnson
Cc: Jeff Everett Police
Subject: Re: Fw: MACU One Pager

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Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

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ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
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--
Sarah Plowman
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Boston City Hall, Room 204

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>
> --
> **Sarah Plowman**
> Regional Planner
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Phone: 617.635.1400
Fax: 617.635.2974

From: Roger Salisbury <rsalisbury@tellus.us>
Sent: Monday, April 22, 2019 4:27 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Tellus/LAN-TEL for MBHSR
Attachment(s): "Boston Project Report - Milestone IVa-#4.docx","FLIR-FATPOT Integration Manual rev20190110.pdf"

Hi Sarah,

Just checking in with you. Are we good to invoice for the amount mentioned below?

Thanks,
Roger Salisbury
Customer Champion
Sales & Marketing
Tellus
801-397-3973 x5146
FATPOT Technologies is now Tellus

On 4/12/2019 2:01 PM, Roger Salisbury wrote:

> Sarah,
>
> Please find the attached report and supporting administrators manual related to the testing and training for the Flir Camera integration. Please let me know if you have any questions.
>
> If this meets your needs from a project oversight perspective, we ask that you approve payment for $24,721 toward IVA. It may be that LAN-TEL will also ask for some of the remaining $15,000 project management overhead in addition. Naturally, the invoicing will come from them if approved.
>
> Thanks,
> Roger Salisbury
> Customer Champion
> Sales & Marketing
> **Tellus**
> 801-397-3973 x5146
> *FATPOT Technologies is now Tellus*
>
> On 4/5/2019 1:27 PM, Roger Salisbury wrote:
>
> > Sarah,
> >
> > From the big picture, your assessment looks good.
> >
> > As far as follow up activities:
> >
> > - **Documentation for training:** Yes, I agreed to do this. Shortly after our call, I had an unfortunate computer crash and it knocked me behind on several things. Between that and some business related travel, I haven't gotten to that yet. Planning to do so by end of next week.
> > - **Other documentation:** (Product as a whole and community engagement.) I don't remember having discussed these, but I'm not opposed to it, either. I'd just need more direction on what is wanted.
> >   - Product as a whole: I can provide our administrative guide and users guide if you'd like. It's been provided to the stakeholders before, but I can include it for your records if that would be helpful.
> >   - Community engagement: This is where I'd struggle a bit since I'm not a party to the area's activities on an regular basis.
> > - **Travel in April/May:** Jonathan (Tellus President) will actually be in Boston early next week. He will be meeting with Boston Fire Superintendent Steve Keeley and possibly other fire departments regarding a new fire-related proposed initiative. He may actually be reaching out to you as well. (Jonathan CCed here.) The mention of his visit on our last call was intended to be less project-specific but more of an fyi for relationship building. There's still a possibility that Jonathan and/or I may return to Boston in May, but again, not for the sole purpose of the project.
> >
> > Thanks,
> > Roger Salisbury
> > Customer Champion

Sales & Marketing
Tellus
801-397-3973 x5146
FATPOT Technologies is now Tellus

On 4/3/2019 12:24 PM, Sarah Plowman wrote:

> Hi Eric, Roger, and Scott,
>
> Hope you're doing well this new month. It's been a few weeks since our conference call, so I wanted to reach out again to do a bit of recap and ensure I'm on the same page as you all with wrapping up this contract.
>
> The contract consists of two main parts: Phase IVA and Phase IVB, plus project management (PM). To date, invoices have been paid in the following amounts:
>
> - $23,000 (IVA)
> - $51,520 (split IVA $41,520 and IVB $10,000)
> - $60,000 (split IVB $50,000 and PM $10,000)
> - $49,600 (split IVA $34,600 and PM $15,000)
>
> This adds up to $99,120 toward IVA, $60,000 toward IVB, and $25,000 toward PM. According to the attached Dec 13, 2017 proposal (referenced also on the invoices), the total breakdown per section of the contract is: $123,841 IVA, $76,159 IVB, and $40,000 PM.
>
> **Thus, remaining to date on the PO is a balance of $55,880 which is comprised of $24,721 toward IVA, $16,159 toward IVB, and $15,000 PM.** That is how I expect the final invoice to be delineated.
>
> With the final invoice, we had also discussed Tellus/LAN-TEL providing OEM with additional documentation to speak to the training piece, the product as a whole, and including community engagement as well. I remember Jonathan saying he was planning a visit this way end of April or early May. That being the case, I am anticipating the final invoice wouldn't come until mid-May when the notes from his visit can be included in the final documentation.
>
> Am I missing anything else? Do any of you have other questions/concerns? Please also confirm that what I've captured in this email is the understanding of you all as well.
>
> Thanks so much,
> Sarah
>
> --
> **Sarah Plowman**
> Regional Planner
> Mayor's Office of Emergency Management
> Boston City Hall, Room 204
>
> One City Hall Square | Boston, MA 02201
> Phone: 617.635.1400
> Fax: 617.635.2974

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, April 24, 2019 11:46 AM EDT
To: Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Tellus/LAN-TEL for MBHSR

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Sent: Wednesday, April 24, 2019 12:39 PM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Requesting quote through MA State Contract FAC64 for BriefCam
Attachment(s): "Request for Quotes for BriefCam.pdf"

Hello Eric and Kate,

I'm emailing to ask for a quote from you, under MA State Contract FAC64, that includes both BriefCam Maintenance/Support, upgrade, training, and additional licenses. Please see attached statement of work document for more detail. Please email me the quote by April 29.

If you have any questions, please let me know.

Thank you,
Sarah Plowman

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Wednesday, April 24, 2019 4:23 PM EDT
To: Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)

Ok then if we need to renew it, I think that $20 cost would fall under our existing PSnet contract with LAN-TEL, and would be a part of their ongoing services to us that we pay in equal installments for. There can just be a note on the invoice somewhere or in the backup documentation that indicates the cert has been renewed.

On Wed, Apr 24, 2019 at 4:07 PM Scott Wilder <swilder@brooklinema.gov> wrote:

> If we do nothing, it will die out.
>
> There will be no software updates, patches or maintenance etc. ..
>
> Sarah, I think at the Intel meeting you should get this pushed back to our group so we can decide on its future.
>
> I know Stonewall (Phil Carlucci) , logs into it on a regular basis to check the system health, and if there are any abnormities or software\ hardware warnings for the SharePoint server.
>
> Scott
>
> **From:** Sarah Plowman [mailto:sarah.plowman@boston.gov]
> **Sent:** Wednesday, April 24, 2019 3:37 PM
> **To:** Chuck Wade <Chuck@interisle.net>
> **Cc:** Scott Wilder <swilder@brooklinema.gov>; Colin Strutt <Colin@interisle.net>
> **Subject:** Re: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
> **Importance:** High
>
> Ah! I forgot to bring this up at the meeting! What happens if we don't renew it?
>
> On Fri, Apr 19, 2019 at 3:18 PM Chuck Wade <Chuck@interisle.net> wrote:
>
> > Scott,
> >
> > It doesn't matter to us. I've done it in the past, and it's not a big deal.
> >
> > However, if Stonewall is involved, then perhaps they could configure this service to use "Let's Encrypt" certs, which would be a good fit for this application, and no cost with future renewals automated.
> >
> > By the way, our team remains in the dark as to what is going on with the SharePoint server. We do see that Phil Carlucci from Stonewall connects into PSnet via the VPN gateway quite frequently (including yesterday), but we have no information as to what is being done with this service.
> >
> > We can discuss this on Tuesday.
> >
> > ...Chuck
> >
> > _____
> > Chuck Wade, Principal
> > Interisle Consulting Group
> > +1 508 435-3050 Office
> > +1 508 277-6439 Mobile
> > www.interisle.net
> >
> > On 4/19/19 3:06 PM, Scott Wilder wrote:
> >
> > > I think for that cost we should just go ahead and re-new, but is that something Interisle does, or does that fall to

Stonewall ?

Thanks,

Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, April 19, 2019 3:02 PM
To: Sarah Plowman <Sarah.Plowman@Boston.gov>; Scott Wilder <swilder@brooklinema.gov>
Cc: Colin Strutt <Colin@Interisle.net>
Subject: Fwd: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
Importance: High

Sarah, Scott,

The digital certificate for the SharePoint system that resides on PSnet is coming up for renewal. Our team has not received any specific guidance on the status of this SharePoint system. As a result, I want to check before renewing this certificate. It is not particularly expensive; probably less than $20.

Just let me know what we should do...

...Chuck

-------- Forwarded Message --------

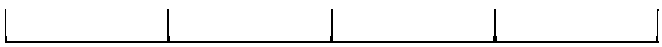
Subject: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
Date: Fri, 12 Apr 2019 06:16:21 +0000
From: ClouDNS <sales@cloudns.net>
To: cloudns@chuck-wade.com, chuck@interisle.net

Dear Charles Wade,

The SSL Certificates for the following domains expire on Apr 27, 2019. The SSL Certificates can be extended from your Dashboard at cloudns.net.

mbhsr-share.greater-boston.net - Positive SSL (Promo)

Regards,
ClouDNS Team



Cloud DNS Ltd. Address: Bulgaria, Sofia 1000, 4 Iskar Str

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Thanks so much,
Sarah

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
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One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
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From: Eric Johnson <ejohnson@Lan-Tel.com>
Sent: Wednesday, April 24, 2019 6:53 PM EDT
To: sarah.plowman@boston.gov
CC: Scott Wilder <Scott Wilder <SWilder@BrooklineMA.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>
Subject: Tellus Training

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Respectfully,

Eric Johnson
Security Project Manager
1400 PROVIDENCE HIGHWAY,
SUITE 3100
NORWOOD, MA 02062

M 617.785.8254 | **F** 781.551.8667

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

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Sent: Wednesday, April 24, 2019 7:06 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: Tellus/LAN-TEL for MBHSR

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> > > > > **Tellus**
> > > > > 801-397-3973 x5146
> > > > > *FATPOT Technologies is now Tellus*
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> *FATPOT Technologies is now Tellus*
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Fax: 617.635.2974

From: Chuck Wade <Chuck@Interisle.net>
Sent: Thursday, April 25, 2019 6:33 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>
CC: Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
Attachment(s): "smime.p7s"

Sarah, Scott,

Since this cert needs to be installed into the SharePoint system, would it make more sense for this to be handled by Stonewall? Although we can acquire the cert and install it in the Windows Server VM, we do not have the access to configure this in the SharePoint application. If Stonewall were to handle this, then they can handle the entire cert renewal/installation procedure.

Note, this is not a cost issue, or even a concern about the effort involved, which is modest. However, it just seems to make more sense to have this process owned by the folks maintaining the SharePoint application.

...Chuck

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

On 4/24/19 4:23 PM, Sarah Plowman wrote:

> Ok then if we need to renew it, I think that $20 cost would fall under our existing PSnet contract with LAN-TEL, and would be a part of their ongoing services to us that we pay in equal installments for. There can just be a note on the invoice somewhere or in the backup documentation that indicates the cert has been renewed.
>
> On Wed, Apr 24, 2019 at 4:07 PM Scott Wilder <swilder@brooklinema.gov> wrote:
>
> > If we do nothing, it will die out.
> >
> > There will be no software updates, patches or maintenance etc. ..
> >
> > Sarah, I think at the Intel meeting you should get this pushed back to our group so we can decide on its future.
> >
> > I know Stonewall (Phil Carlucci) , logs into it on a regular basis to check the system health, and if there are any abnormities or software\ hardware warnings for the SharePoint server.
> >
> > Scott
> >
> > **From:** Sarah Plowman [mailto:sarah.plowman@boston.gov]
> > **Sent:** Wednesday, April 24, 2019 3:37 PM
> > **To:** Chuck Wade <Chuck@interisle.net>
> > **Cc:** Scott Wilder <swilder@brooklinema.gov>; Colin Strutt <Colin@interisle.net>
> > **Subject:** Re: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
> > **Importance:** High
> >
> > Ah! I forgot to bring this up at the meeting! What happens if we don't renew it?
> >
> > On Fri, Apr 19, 2019 at 3:18 PM Chuck Wade <Chuck@interisle.net> wrote:
> >
> > > Scott,

It doesn't matter to us. I've done it in the past, and it's not a big deal.

However, if Stonewall is involved, then perhaps they could configure this service to use "Let's Encrypt" certs, which would be a good fit for this application, and no cost with future renewals automated.

By the way, our team remains in the dark as to what is going on with the SharePoint server. We do see that Phil Carlucci from Stonewall connects into PSnet via the VPN gateway quite frequently (including yesterday), but we have no information as to what is being done with this service.

We can discuss this on Tuesday.

...Chuck

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

On 4/19/19 3:06 PM, Scott Wilder wrote:

> I think for that cost we should just go ahead and re-new, but is that something Interisle does, or does that fall to Stonewall ?
>
> Thanks,
>
> Scott

From: Chuck Wade [mailto:Chuck@Interisle.net]
Sent: Friday, April 19, 2019 3:02 PM
To: Sarah Plowman <Sarah.Plowman@Boston.gov>; Scott Wilder <swilder@brooklinema.gov>
Cc: Colin Strutt <Colin@Interisle.net>
Subject: Fwd: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
Importance: High

Sarah, Scott,

The digital certificate for the SharePoint system that resides on PSnet is coming up for renewal. Our team has not received any specific guidance on the status of this SharePoint system. As a result, I want to check before renewing this certificate. It is not particularly expensive; probably less than $20.

Just let me know what we should do...

...Chuck

-------- Forwarded Message --------

Subject: ClouDNS: SSL Expiration Notification (mbhsr-share.greater-boston.net)
Date: Fri, 12 Apr 2019 06:16:21 +0000
From: ClouDNS <sales@cloudns.net>
To: cloudns@chuck-wade.com, chuck@interisle.net

Dear Charles Wade,

The SSL Certificates for the following domains expire on Apr 27, 2019. The SSL Certificates can be extended from your Dashboard at cloudns.net.

mbhsr-share.greater-boston.net - Positive SSL (Promo)

Regards,
ClouDNS Team

Cloud DNS Ltd. Address: Bulgaria, Sofia 1000, 4 Iskar Str

--

Sarah Plowman

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, April 25, 2019 9:24 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>; Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>
Subject: Re: Tellus Training

Thanks, Eric!

On Wed, Apr 24, 2019 at 18:53 Eric Johnson <ejohnson@lan-tel.com> wrote:

> Sarah:
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> Thanks
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> **Eric Johnson**
> Security Project Manager
> 1400 PROVIDENCE HIGHWAY,
> SUITE 3100
> NORWOOD, MA 02062
>
> **M** 617.785.8254 | **F** 781.551.8667
>
> ejohnson@lan-tel.com ☘
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Mayor's Office of Emergency Management
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Thursday, April 25, 2019 9:29 AM EDT
To: Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
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From: Dennis Drain <ddrain@lan-tel.com>
Sent: Thursday, April 25, 2019 11:43 AM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: LAN-TEL/Office Of Emergency Management Fatpot Integration
Attachment(s): "DOC042519-04252019113943.pdf","image001.jpg"

I have attached a copy of our invoice for the above referenced job.

Thank you.

Dennis Drain
Controller
Suite 3100
1400 Providence Highway
Norwood, MA 02062
Phone 781-680-5906
Fax: 781-551-8667
ddrain@lan-tel.com
FOLLOW US: Twitter | LinkedIn | Facebook

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Sent: Thursday, April 25, 2019 12:12 PM EDT
To: Dennis Drain <Dennis Drain <ddrain@lan-tel.com>>
CC: Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>
Subject: Re: LAN-TEL/Office Of Emergency Management Fatpot Integration

Thanks! This has now been submitted for payment.

On Thu, Apr 25, 2019 at 11:43 AM Dennis Drain <ddrain@lan-tel.com> wrote:

> I have attached a copy of our invoice for the above referenced job.
>
> Thank you.
>
> Dennis Drain
>
> Controller
>
> Suite 3100
>
> 1400 Providence Highway
>
> Norwood, MA 02062
>
> Phone 781-680-5906
>
> Fax: 781-551-8667
>
> ddrain@lan-tel.com
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 29, 2019 9:41 AM EDT
To: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager

Eric,

Well, the subcommittee decided to move ahead without the drone component. That being said, which state contract do you usually use to rent this vehicle out under?

Thanks,
Sarah

On Mon, Apr 22, 2019 at 3:47 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

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> > **Sent:** Monday, April 22, 2019 3:37 PM
> > **To:** Eric Johnson
> > **Cc:** Scott Torressen
> > **Subject:** Re: MACU One Pager
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> > Anything on this? Some info before we meet again tomorrow would be helpful.
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> > Thank you,
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> > > Hi Eric & Scott,
> > >
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> > > >
> > > > Thanks,
> > > > Sarah
> > > >
> > > > 6. Small Unmanned Aircraft Systems (AEL #03OE-07-SUAS - System, Small Unmanned Aircraft) are considered aircraft and are required to meet the requirements in #3 above. In addition, all requests to purchase SUAS with FEMA grant funding must also include copies of the policies and procedures in place to safeguard individuals' privacy, civil rights, and civil liberties of the jurisdiction that will purchase, take title to, or otherwise use the SUAS equipment, see Presidential Memorandum: Promoting Economic Competitiveness While Safeguarding Privacy, Civil Rights, and Civil Liberties, in Domestic Use of Unmanned Aircraft Systems, issued February 20, 2015.
> > > >
> > > > On Fri, Mar 15, 2019 at 3:21 PM Eric Johnson <ejohnson@lan-tel.com> wrote:
> > > >
> > > > > We have never been asked for one We have our own internal checklist that we perform per FAA guidelines /

and drone rules and operation . I think it would be hard to keep within a protocol since we don't know environment or event until asked .

I am ccing Scott Torressen of Lan -Tel since he is more involved with drone aspect so we can discuss at some point .

Obviously we could put one together for you specific to UASI , or we just take the drone out of the offering to UASI .

We can offer services a la carte , we will or would never offer all or nothing .

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

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This is on my list of priorities for the next few weeks, so we will continue to move forward on all of these things!

On Tue, Feb 12, 2019 at 1:57 PM Eric Johnson <ejohnson@lan-tel.com> wrote:

From: Eric Johnson
Sent: Tuesday, November 27, 2018 4:16 PM
To: brenda.jones@boston.gov
Subject: Fwd: MACU One Pager

Per your request

Respectfully,

Eric Johnson
Project Manager
1400 PROVIDENCE HIGHWAY, SUITE3100,
NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

ejohnson@lan-tel.com ☘

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

www.lan-tel.com

Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
Kcinelli@lan-tel.com | **www.lan-tel.com**
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Sarah Plowman
Regional Planner
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Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
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Fax: 617.635.2974
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CC: Scott Torressen <Scott Torressen <storressen@lan-tel.com>>
Subject: Re: MACU One Pager
Attachment(s): "image.png"

We would use FAC 64 since the majority of the truck is used for video

Respectfully,

Eric Johnson
Security Project Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062
M 617-785-8254
| www.lan-tel.com. I Twitter

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> > >
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ejohnson@lan-tel.com ☘□

TWITTER : @ejctown

http://linkedin.com/in/eric-johnson-9702a62b.

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Begin forwarded message:

From: "Kelly Cinelli" <kcinelli@lan-tel.com>
To: "Eric Johnson" <ejohnson@Lan-Tel.com>
Cc: "Kelly Cinelli" <kcinelli@lan-tel.com>
Subject: MACU One Pager

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100,
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From: Kelly Cinelli <kcinelli@lan-tel.com>
Sent: Monday, April 29, 2019 11:38 AM EDT
To: sarah.plowman@boston.gov
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses
Attachment(s): "Briefcam4292019.pdf","image001.jpg"

Hi Sarah – Attached is LAN-TEL's quote for BriefCam Maintenance and Licenses. If you have any questions, please let me know.

Kelly

Kelly Cinelli
Marketing Manager
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
T 781-680-5907 | M 774-218-6490
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 29, 2019 12:34 PM EDT
To: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Hi Kelly,

Thank you for this. One clarification question: the second portion of the quote specifically calls out FAC64, which is great. Can you confirm that the first portion of the quote ($31,812.50) is also applicable to the FAC64 state contract?

Thanks again,
Sarah

On Mon, Apr 29, 2019 at 11:38 AM Kelly Cinelli <kcinelli@lan-tel.com> wrote:

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> Kelly
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> 1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062
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From: Kelly Cinelli <kcinelli@lan-tel.com>
Sent: Monday, April 29, 2019 2:04 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Only software/products are available for FAC 64 discount – it isn't available for monitoring and maintenance.

Kelly

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Sarah Plowman
Regional Planner
Mayor's Office of Emergency Management
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201
Phone: 617.635.1400
Fax: 617.635.2974
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From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 29, 2019 2:08 PM EDT
To: Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>
CC: Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>
Subject: Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Kelly,

So LAN-TEL is not able to provide monitoring or maintenance services through any state contract anymore?

Thanks,
Sarah

On Mon, Apr 29, 2019 at 2:04 PM Kelly Cinelli <kcinelli@lan-tel.com> wrote:

> Only software/products are available for FAC 64 discount – it isn't available for monitoring and maintenance.
>
> Kelly

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 29, 2019 12:34 PM
To: Kelly Cinelli <kcinelli@lan-tel.com>
Cc: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Hi Kelly,

Thank you for this. One clarification question: the second portion of the quote specifically calls out FAC64, which is great. Can you confirm that the first portion of the quote ($31,812.50) is also applicable to the FAC64 state contract?

Thanks again,

Sarah

On Mon, Apr 29, 2019 at 11:38 AM Kelly Cinelli <kcinelli@lan-tel.com> wrote:

> Hi Sarah – Attached is LAN-TEL's quote for BriefCam Maintenance and Licenses. If you have any questions, please let me know.
>
> Kelly

Kelly Cinelli

Marketing Manager

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062

T 781-680-5907 | M 774-218-6490

Kcinelli@lan-tel.com | **www.lan-tel.com**

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Sarah Plowman
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Boston City Hall, Room 204

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Fax: 617.635.2974

From: Kelly Cinelli <kcinelli@lan-tel.com>
Sent: Monday, April 29, 2019 2:19 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: RE: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Technically, FAC64 is for the vendor's products/software only. However, I just spoke with my VP and she indicated we can offer the 2% on the entire invoice if it is needed.

Kelly

From: Sarah Plowman <sarah.plowman@boston.gov>
Sent: Monday, April 29, 2019 2:09 PM
To: Kelly Cinelli <kcinelli@lan-tel.com>
Cc: Eric Johnson <ejohnson@Lan-Tel.com>
Subject: Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Kelly,

So LAN-TEL is not able to provide monitoring or maintenance services through any state contract anymore?

Thanks,
Sarah

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> Kelly
>
> ---
>
> **From:** Sarah Plowman <sarah.plowman@boston.gov>
> **Sent:** Monday, April 29, 2019 12:34 PM
> **To:** Kelly Cinelli <kcinelli@lan-tel.com>
> **Cc:** Eric Johnson <ejohnson@Lan-Tel.com>
> **Subject:** Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses
>
> Hi Kelly,
>
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> Sarah
>
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>
>> Hi Sarah – Attached is LAN-TEL's quote for BriefCam Maintenance and Licenses. If you have any questions, please let me know.
>>
>> Kelly
>>
>> Kelly Cinelli
>> **Marketing Manager**
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From: Kelly Cinelli <kcinelli@lan-tel.com>
Sent: Monday, April 29, 2019 2:35 PM EDT
To: Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>
CC: Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>
Subject: Revised - Statement of Work for MBHSR BriefCam
Attachment(s): "Briefcam4292019.pdf","image001.jpg"

I have attached a revised proposal with 2% off both sections.

Thanks,
Kelly

Kelly Cinelli
Marketing Manager
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Kcinelli@lan-tel.com | **www.lan-tel.com**
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