

Would you help me craft a short questionnaire?

47 messages

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Fri, Oct 30, 2020 at 7:59 PM

Dear Mark,

Your friendly neighbourhood pest is here again :)

I'm wrapping up a paper and next week hope to resume one on implementational models for 5G metro-area networks. If you'd like an example of what I have in mind (for the 5G MAN), a paper that deals with conventional infrastructure segmentation is attached to this email.

To the point:
a doubt I'd like to resolve (for the purpose of this 5G paper) regards the role that OTN plays in the metro area.
My research places it within inter-datacentre networks, and nowhere in aggregation.

The best resolution I can think of is a short questionnaire distributed to the NANOG mailing list, but I'd dearly like someone to curate my handling of operators' sensitivities.
I mean: I might ask questions that blow the questionnaire out of my audience's sight.

Would you be able to review the questionnaire once I'm done with the first draft?

Warm regards,

Etienne

--
Ing. Etienne-Victor Depasquale
Assistant Lecturer
Department of Communications & Computer Engineering
Faculty of Information & Communication Technology
University of Malta
Web: <https://www.um.edu.mt/profile/etiennedepasquale>

 08726741.pdf
519K**Mark Tinka** <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Mon, Nov 2, 2020 at 7:49 AM

Thanks, Etienne.

Sure, I'd be happy to check your questionnaire :-).

Mark.
[Quoted text hidden]**Etienne-Victor Depasquale** <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Mon, Nov 2, 2020 at 8:57 AM

Much obliged Mark ... I hope to repay you in some way !

I should send it to you in about two weeks' time, once I've dusted my mind's workspace from the current work.

Warm regards,

Etienne
[Quoted text hidden]**Mark Tinka** <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Mon, Nov 2, 2020 at 1:18 PM

Good man.

Beer will do, I'm easy like that :-).

Mark.
[Quoted text hidden]**Etienne-Victor Depasquale** <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Mon, Nov 2, 2020 at 7:57 PM

Just let me know:

(a) your favourite brand, and
(b) whether this address is good: Mark Tinka, Seacom, Building 7, Design Quarter District, Leslie Avenue, Magaliessig (got it [here](#))

... and I should manage the rest :D

Cheers,

Etienne
[Quoted text hidden]**Mark Tinka** <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Tue, Nov 3, 2020 at 7:48 AM

Hehe, no worries mate. I'm sure we'll catch up somewhere very soon :-).

Mark.
[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Wed, Nov 24, 2021 at 7:50 PM

Dear Mark,

I hope that you are well and at peace !

If you can still spare some time to help me craft the questionnaire
I had referred to in November last year (!!!),
I am finally facing the bear ...
so this is the point where I ask you whether you can put up with my questions
or whether I should leave you alone for some time :)

Warm regards,

Etienne

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Sat, Nov 27, 2021 at 1:41 PM

Thanks, Etienne.

Yes, happy to help.

Want to setup a call, perhaps?

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Sat, Nov 27, 2021 at 8:06 PM

I'm truly grateful for your kind disposition !
Yes, a call would probably sum up my objective more easily than a long-winded email.

When would be convenient for you? I understand that we're in the same time zone (SAST = CET).
Any weekday barring Monday and Friday would suit me fine.

I'm attaching a recent publication attempt to help set the backdrop.
I'm not asking you to read it, but I'll refer to it during our conversation.

Warm regards,

Etienne

[Quoted text hidden]

 [Energy analyst - need for a GII metro area implementational model.pdf](#)
254K

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Mon, Dec 6, 2021 at 5:45 PM

Hello :)

Just a gentle reminder about this.

Cheers,

Etienne

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Thu, Jan 27, 2022 at 8:40 AM

Hi Mark,

I wonder whether this time of the year is a better one to hold that call you referred to last November.

Cheers,

Etienne

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Thu, Jan 27, 2022 at 9:14 AM

Thanks, Etienne.

Sorry about that, it's been a mad rush to the start of the year.

Let's plan for a call on Monday, say 11AM.

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Thu, Jan 27, 2022 at 11:28 AM

No worries, Mark, the old mill had lots of grist to grind :)

I've sent an invitation for Monday 31st at 11 am.

Thank you for sparing the time.

Cheers,

Etienne

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Thu, Jan 27, 2022 at 11:36 AM

Incidentally, the latest version of the position paper I had forwarded is attached. I'm planning on submitting to GreenNet 2022 (a workshop in NetSoft 2022).

Cheers,

Etienne

[Quoted text hidden]

 **Position paper - The need for a GII metro area implementational model to support the energy analyst.pdf**
484K

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Thu, Jan 27, 2022 at 1:40 PM

Good man :-).

Mark.

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Thu, Jan 27, 2022 at 1:41 PM

Alright, thanks.

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Tue, Feb 8, 2022 at 12:26 PM

Hello Mark,

I've just shared a Google Form with you, showing work in progress on the questionnaire.

The form is nowhere near finished; I have at least two sections to add and lots of in-section editing.

I'm sharing it at this point simply in case you might like to look at it while it's still being formed.

If you'd rather wait for a first draft, please just ignore this message.

Best regards,

Etienne

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Tue, Feb 8, 2022 at 1:13 PM

Thanks, Etienne.

I see it.

Happy to look at it as it develops. Just let me know when you want me to start looking at it seriously. Thanks.

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Tue, Feb 8, 2022 at 1:19 PM

Thank you for the acknowledgement :)

Cheers,

Etienne

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Fri, Jun 3, 2022 at 9:33 AM

Dear Mark,

I've finally come to the point where I can procrastinate no longer :)

This weekend, I'll tune the questionnaire and close it.

May I ping you next week, to let you know that it's ready for your review?

Warm regards,

Etienne

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Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Fri, Jun 3, 2022 at 9:54 AM

Thanks, Etienne.

Sure, I'll be here :-).

Mark.
[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Fri, Jun 3, 2022 at 10:00 AM

Thanks, Mark!

We need more like you in this world!

Cheers,

Etienne
[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Tue, Jun 7, 2022 at 5:45 PM

Dear Mark,

At last, [the first draft is ready for your review](#).

Looking forward to your feedback, but please take your time.

Warm regards,

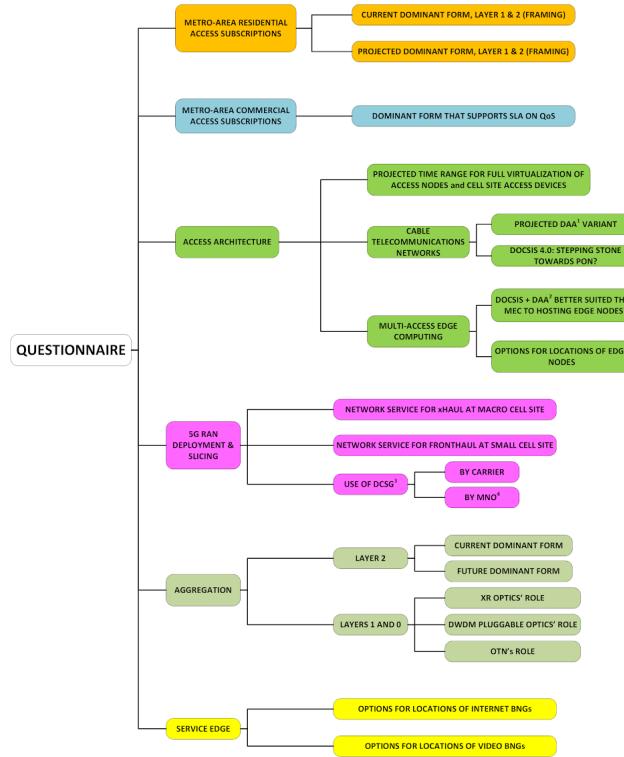
Etienne

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To: Mark Tinka <mark.tinka@seacom.com>

Wed, Jun 8, 2022 at 9:53 AM

Incidentally, the graphic below shows a more detailed overview of the questionnaire's structure.



Cheers,

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Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Wed, Jun 8, 2022 at 10:53 AM

Thanks, Etienne.

Let me review and come back to you.

Mark.
[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>

Fri, Jun 17, 2022 at 10:36 AM

To: Mark Tinka <mark.tinka@seacom.com>

I'm treading on treacherous ground here and I am truly afraid of irking you.

I don't want to bother you, but if you can, I would love to know when you think you might finish your review.

Please do excuse me if this comes across as cheeky; I would understand if you are unable to give me some indication.

Warm regards,

Etienne

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>

To: Etienne-Victor Depasquale <edepa@ieee.org>

Fri, Jun 17, 2022 at 10:47 AM

Thanks, Etienne.

No bother at all, truly :-).

I should have feedback for you by later this evening. Thanks.

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>

To: Mark Tinka <mark.tinka@seacom.com>

Fri, Jun 17, 2022 at 11:22 AM

Thank you for your good temper :)

Cheers,

Etienne

[Quoted text hidden]

Mark Tinka <mark.tinka@seacom.com>

To: Etienne-Victor Depasquale <edepa@ieee.org>

Sat, Jun 18, 2022 at 9:07 AM

Hi Etienne.

- Demographics:
 - Add WISP (Wireless ISP) as option 4.
 - Any reason you have China mentioned specifically?
 - For subscribers in metro areas, would recommend it follows the continents, rather than countries; as well as include all continents.
- Metro-area Residential Access Subscriptions:
 - Add Active-E.
 - Add wireless (licensed, unlicensed and mobile).
- Access Architecture:
 - I'd also ask about pure Active-E fibre, in addition to PON and DOCSIS.
- 5G RAN deployment and slicing:
 - I'd ask about using wireless for xHaul as well (relevant for less developed countries or rural towns).
- Aggregation:
 - I'd list DWDM/SDH/SONET/TDM as an option for transport between the access and core. Might be the case in some markets.
- Service Edge:
 - I'd suggest a line of questioning that also considers simply runs off CDN-based video delivery in public/private data centres less than 1ms - 20ms from eyeballs.

Let me know your thoughts.

I'm traveling all week from tonight, but we can plan to connect online if it helps. Thanks.

Mark.

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>

To: Prof Saviour Zammit <saviour.zammit@um.edu.mt>, Prof Franco Davoli <franco.davoli@unige.it>, Raffaele Bolla <raffaele.bolla@unige.it>

Sat, Jun 18, 2022 at 9:28 AM

FYI

Warm regards,

Etienne

[Quoted text hidden]

Saviour Zammit <saviour.zammit@um.edu.mt>

To: Etienne-Victor Depasquale <edepa@ieee.org>

Sat, Jun 18, 2022 at 9:31 AM

He is obviously a deep tinka.

Saviour

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>

To: Saviour Zammit <saviour.zammit@um.edu.mt>

Sat, Jun 18, 2022 at 9:33 AM

:)

He's cut from the same cloth as you are - great mind and great heart.

Cheers,

Etienne

[Quoted text hidden]

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Sat, Jun 18, 2022 at 9:37 AM

Marvellous, thank you, you have a great mind as well as a great heart :).
I'll act on your suggestions.

I plan to submit my research results in some IEEE journal; you'll obviously be included in the acknowledgements.

I don't want to distract you during your travels, but once you do get back from your trip,
would you care to have a short online discussion to close this?

Warm regards,

Etienne
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Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Sat, J

Thanks, Etienne.

Yes, sure.

If you are able, please let me know once you've made the updates, and I'll take a look to see if anything else jumps up, before our Zoom call. Thanks.

Mark.

On 6/18/22 09:37, Etienne-Victor Depasquale wrote:

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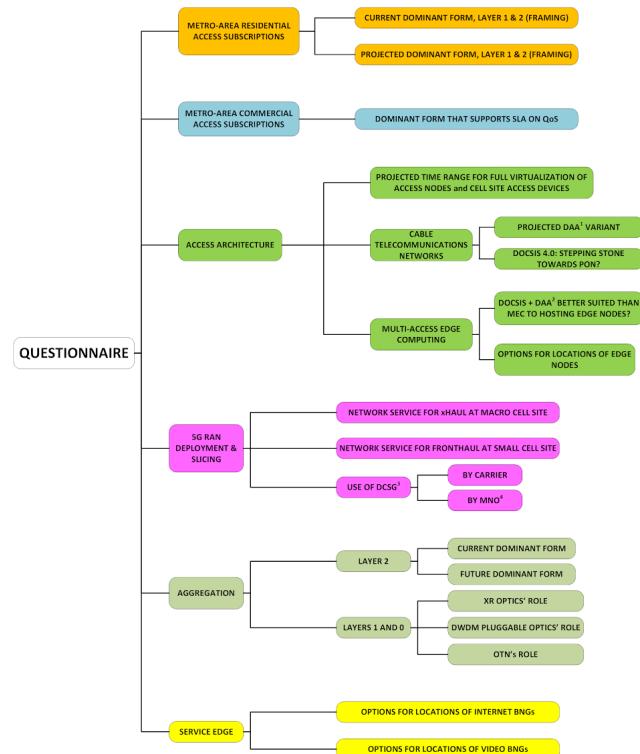
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Etienne

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Etienne

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Ing. Etienne-Victor
Depasquale
Assistant Lecturer
Department of
Communications & Computer
Engineering
Faculty of Information &
Communication Technology
University of Malta
Web. [https://www.um.edu.mt/
profile/etienneDepasquale](https://www.um.edu.mt/profile/etienneDepasquale)

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Department of Communications & Computer
Engineering
Faculty of Information & Communication
Technology
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Etienne-Victor Depasquale <eedepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>
Bcc: Prof Saviour Zammit <saviour.zammit@um.edu.mt>, Prof Franco Davoli <franco.davoli@unige.it>

Fri, Jun 24, 2022 at 10:18 AM

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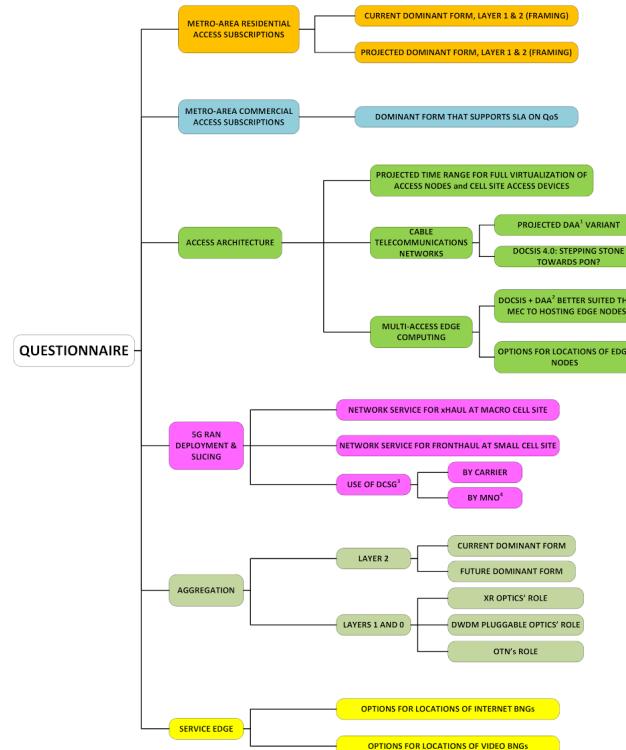
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To: Mark Tinka <mark.tinka@seacom.com>

It works like a charm, Mark, thank you :) - I've sent the Zoom invitation from my UM (University of Malta) account.

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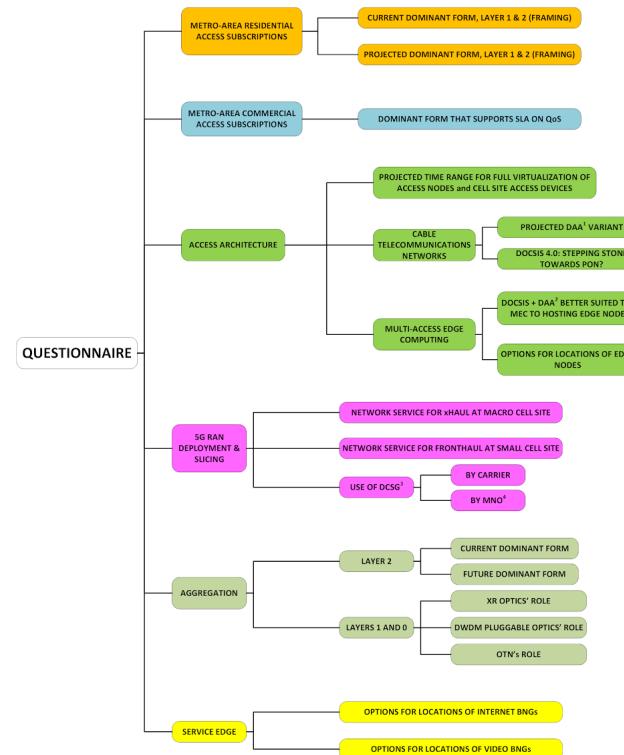
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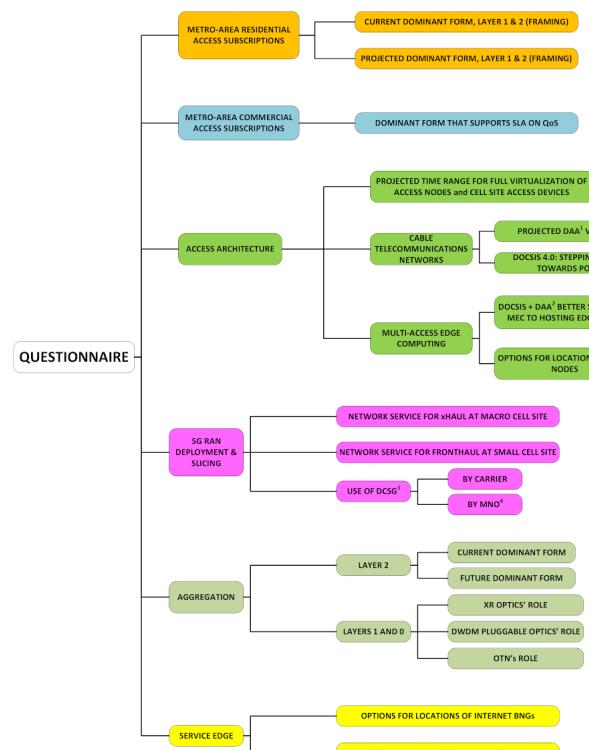
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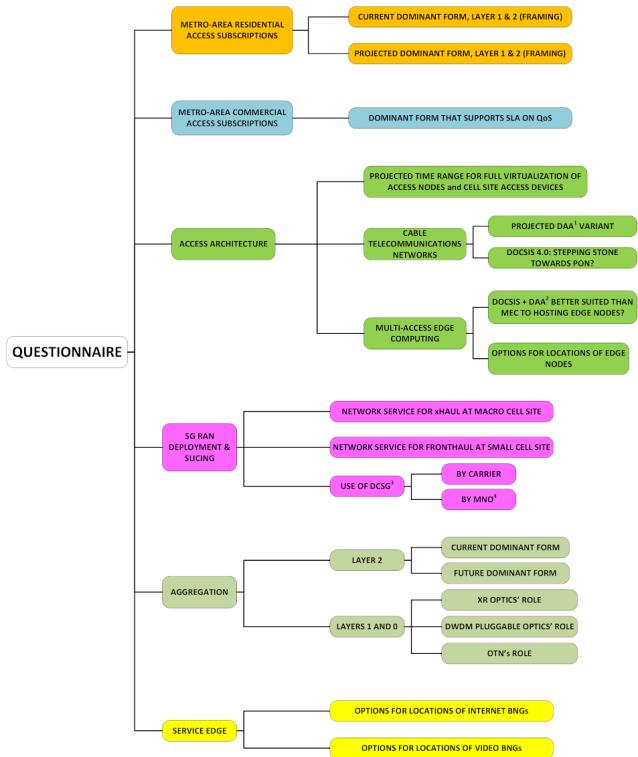
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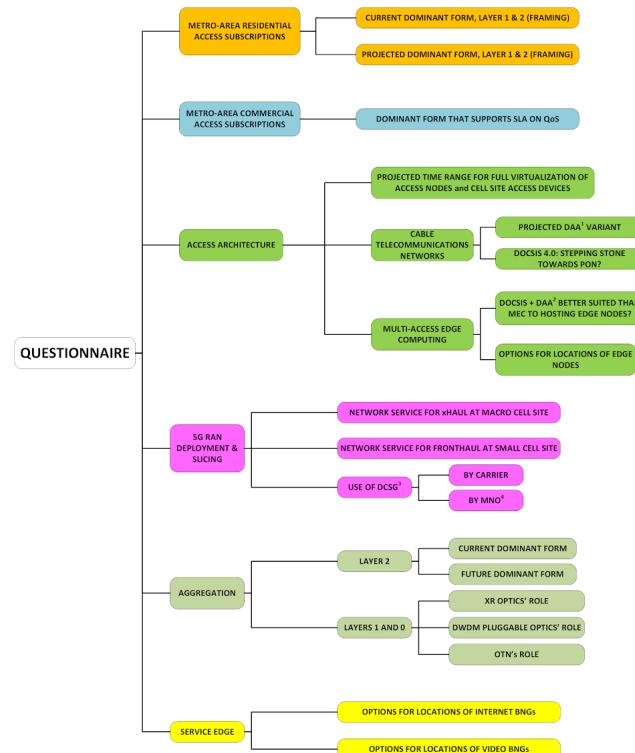
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Incidentally, the latest version of the position paper I had forwarded is attached. I'm planning on submitting to GreenNet 2022 (a workshop in NetSoft 2022).

Cheers,

Etienne

On Thu, Jan 27, 2022 at 11:28 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:

No worries, Mark, the old mill had lots of grist to grind :)

I've sent an invitation for Monday 31st at 11 am.

Thank you for sparing the time.

Cheers,

Etienne

On Thu, Jan 27, 2022 at 9:14 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Sorry about that, it's been a mad rush to the start of the year.

Let's plan for a call on Monday, say 11AM.

Mark.

On 1/27/22 09:40, Etienne-Victor Depasquale wrote:

Hi Mark,

I wonder whether this time of the year is a better one to hold that call
you referred to last November.

Cheers,

Etienne

On Mon, Dec 6, 2021 at 5:45 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Hello :)

Just a gentle reminder about this.

Cheers,

Etienne

On Sat, Nov 27, 2021 at 8:06 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
I'm truly grateful for your kind disposition !
Yes, a call would probably sum up my objective more easily than a long-winded email.

When would be convenient for you? I understand that we're in the same time zone (SAST = CET).
Any weekday barring Monday and Friday would suit me fine.

I'm attaching a recent publication attempt to help set the backdrop.
I'm not asking you to read it, but I'll refer to it during our conversation.

Warm regards,

Etienne

On Sat, Nov 27, 2021 at 1:41 PM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Yes, happy to help.

Want to setup a call, perhaps?

Mark.

On 11/24/21 20:50, Etienne-Victor Depasquale wrote:

Dear Mark,

I hope that you are well and at peace !

If you can still spare some time to help me craft the questionnaire
I had referred to in November last year (!!!),
I am finally facing the bear ...
so this is the point where I ask you whether you can put up with my questions
or whether I should leave you alone for some time :)

Warm regards,

Etienne

On Mon, Nov 2, 2020 at 8:57 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:

Much obliged Mark ... I hope to repay you in some way !

I should send it to you in about two weeks' time, once I've dusted my mind's workspace from the current work.

Warm regards,

Etienne

On Mon, Nov 2, 2020 at 7:49 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Sure, I'd be happy to check your questionnaire :-).

Mark.

On 10/30/20 20:59, Etienne-Victor Depasquale wrote:

Dear Mark,

Your friendly neighbourhood pest is here again :)

I'm wrapping up a paper and next week hope to resume one on implementational models for 5G metro-area networks. If you'd like an example of what I have in mind (for the 5G MAN),

a paper that deals with conventional infrastructure segmentation is attached to this email.

To the point:
a doubt I'd like to resolve (for the purpose of this 5G paper) regards the role that OTN plays in the metro area.
My research places it within inter-datacentre networks, and nowhere in aggregation.

The best resolution I can think of is a short questionnaire distributed to the NANOG mailing list, but I'd dearly like someone to curate my handling of operators' sensitivities.
I mean: I might ask questions that blow the questionnaire out of my audience's sight.

Would you be able to review the questionnaire once I'm done with the first draft?

Warm regards,

Etienne

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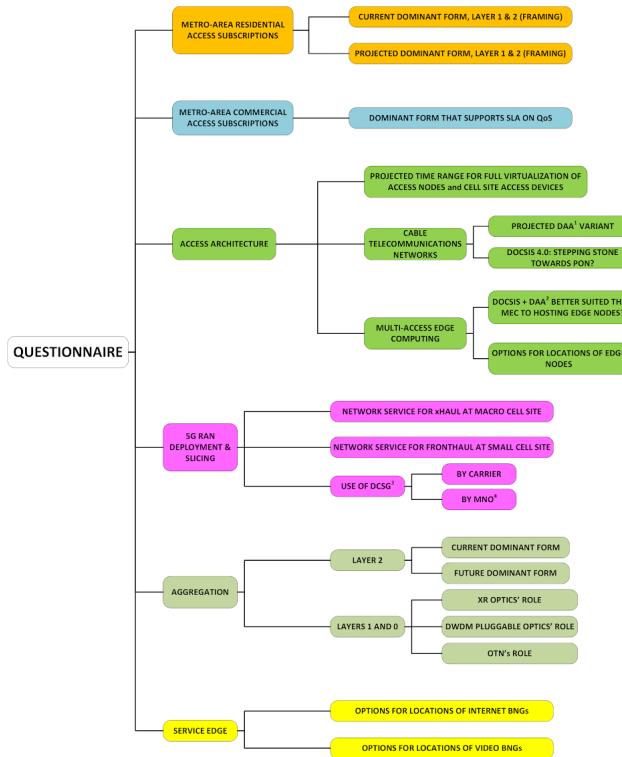
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Cheers,

Etienne

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Etienne

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I'm attaching the draft (needs some final editing before it's what we call "camera ready").

Speak soon!

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We can have a call this Thursday, if that works for you. 1100hrs SAST. Thanks.

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Dear Mark,

I've updated according to your instructions (I hope :)) and the updated questionnaire is [here](#) (same link as before).

At your convenience, please let me know what times suit you best for a quick discussion.

In particular,

one thing that puzzles me and I'm hoping to elicit clarification on,
regards backhaul from access nodes (whatever the access network type).

I keep on asking myself

- for customer separation and QoS - is it:

(a) "Carrier Ethernet" (customer payload) - over "MPLS" (L2.5) - over "Ethernet (L2 MAC + L1)", or
(b) are we now starting to strip it down to just a Carrier Ethernet handoff with PB (Q-in-Q) ?

I understand that "both" is probably the answer,
but the big picture - a kind of distribution of technology choice -
is what I'm hoping for to understand the direction we're moving in.

Cheers,

Etienne

On Sat, Jun 18, 2022 at 1:41 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

Yes, sure.

If you are able, please let me know once you've made the updates, and I'll take a look to see if anything else jumps up, before our Zoom call. That

Mark.

On 6/18/22 09:37, Etienne-Victor Depasquale wrote:

Marvellous, thank you, you have a great mind as well as a great heart :).
I'll act on your suggestions.

I plan to submit my research results in some IEEE journal; you'll obviously be included in the acknowledgements.

I don't want to distract you during your travels, but once you do get back from your trip,
would you care to have a short online discussion to close this?

Warm regards,

Etienne

On Sat, Jun 18, 2022 at 9:07 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Hi Etienne.

- Demographics:
 - Add WISP (Wireless ISP) as option 4.
 - Any reason you have China mentioned specifically?
 - For subscribers in metro areas, would recommend it follows the continents, rather than countries; as well as include all continents.
- Metro-area Residential Access Subscriptions:
 - Add Active-E.
 - Add wireless (licensed, unlicensed and mobile).
- Access Architecture:
 - I'd also ask about pure Active-E fibre, in addition to PON and DOCSIS.
- 5G RAN deployment and slicing:
 - I'd ask about using wireless for xHaul as well (relevant for less developed countries or rural towns).
- Aggregation:
 - I'd list DWDM/SDH/SONET/TDM as an option for transport between the access and core. Might be the case in some markets.
- Service Edge:
 - I'd suggest a line of questioning that also considers simply runs off CDN-based video delivery in public/private data centres.

Let me know your thoughts.

I'm traveling all week from tonight, but we can plan to connect online if it helps. Thanks.

Mark.

On 6/17/22 11:22, Etienne-Victor Depasquale wrote:

Thank you for your good temper :)

Cheers,

Etienne

On Fri, Jun 17, 2022 at 10:47 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

No bother at all, truly :-).

I should have feedback for you by later this evening. Thanks.

Mark.

On 6/17/22 10:36, Etienne-Victor Depasquale wrote:

I'm treading on treacherous ground here and I am truly afraid of irking you.

I don't want to bother you, but if you can, I would love to know when you think you might finish your review.

Please do excuse me if this comes across as cheeky; I would understand if you are unable to give me some indication.

Warm regards,

Etienne

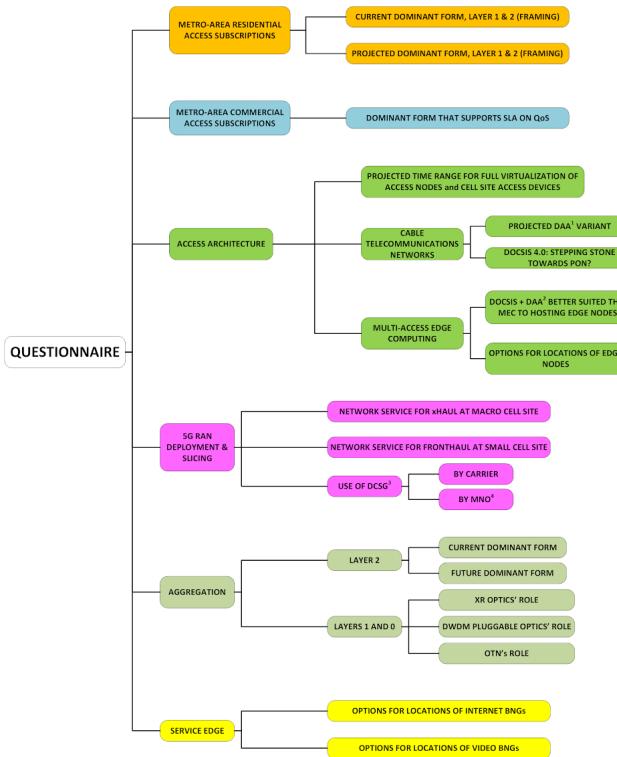
On Wed, Jun 8, 2022 at 10:54 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Let me review and come back to you.

Mark.

On 6/8/22 09:53, Etienne-Victor Depasquale wrote:

Incidentally, the graphic below shows a more detailed overview of the questionnaire's structure.



Cheers,

Etienne

On Tue, Jun 7, 2022 at 5:45 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Dear Mark,

At last, the first draft is ready for your review.

Looking forward to your feedback, but please take your time.

Warm regards,

Etienne

On Fri, Jun 3, 2022 at 10:00 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Thanks, Mark!

We need more like you in this world!

Cheers,

Etienne

On Fri, 3 Jun 2022, 09:54 Mark Tinka, <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Sure, I'll be here :-).

Mark.

On 6/3/22 09:33, Etienne-Victor Depasquale wrote:

Dear Mark,

I've finally come to the point where I can procrastinate no longer :)

This weekend, I'll tune the questionnaire and close it.

May I ping you next week, to let you know that it's ready for your review?

Warm regards,

Etienne

On Tue, Feb 8, 2022 at 1:19 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Thank you for the acknowledgement :)

Cheers,

Etienne

On Tue, Feb 8, 2022 at 1:13 PM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

I see it.

Happy to look at it as it develops. Just let me know when you want me to start looking at it se

Mark.

On 2/8/22 13:26, Etienne-Victor Depasquale wrote:

Hello Mark,

I've just shared a Google Form with you, showing work in progress on the questionnaire.
The form is nowhere near finished; I have at least two sections to add and lots of in-sections.
I'm sharing it at this point simply in case you might like to look at it while it's still being fleshed out.
If you'd rather wait for a first draft, please just ignore this message.

Best regards,

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Alright, thanks.

Mark.

On 1/27/22 12:36, Etienne-Victor Depasquale wrote:

Incidentally, the latest version of the position paper I had forwarded is attached.
planning on submitting to GreenNet 2022 (a workshop in NetSoft 2022).

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Assistant Lecturer

 **Energy analysts need a standard that interprets the metro area global information infrastructure.pdf**
931K

Etienne-Victor Depasquale <edepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

Hello again Mark :)

What a pleasure it is to discuss with you;
it's like looking into a world that I can otherwise only see from far.

Attached, please find a zip file that contains four pdfs:
one is just a collection of abstracts,
while the others are publications that document my progression
in understanding metro area network architecture.

I'm looking forward to working further with you on this
(should you still find the time for it)
during the coming two - three months !

Best regards,

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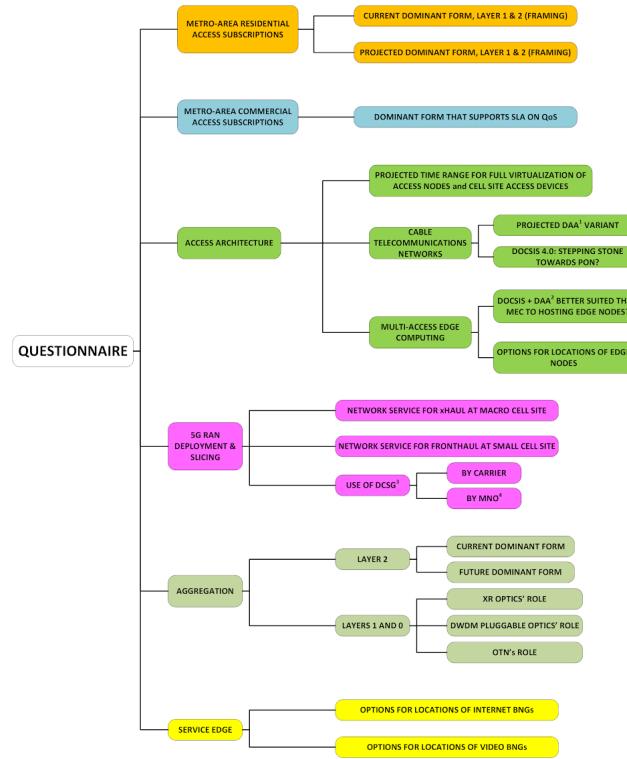
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Thanks, Etienne.

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On 10/30/20 20:59, Etienne-Victor Depasquale wrote:

Dear Mark,

Your friendly neighbourhood pest is here again :)

I'm wrapping up a paper and next week hope to resume one on implementational models for 5G metro-area networks. If you'd like an example of what I have in mind (for the 5G MAN), a paper that deals with conventional infrastructure segmentation is attached to this email.

To the point:
a doubt I'd like to resolve (for the purpose of this 5G paper) regards the role that OTN plays in the metro area.
My research places it within inter-datacentre networks, and nowhere in aggregation.

The best resolution I can think of is a short questionnaire distributed to the NANOG mailing list, but I'd dearly like someone to curate my handling of operators' sensitivities. I mean: I might ask questions that blow the questionnaire out of my audience's sight.

Would you be able to review the questionnaire once I'm done with the first draft?

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 **Abstracts and publications dealing with implementatational models.zip**
4156K

Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Hi Etienne.

So another thing that came to mind, which we did not discuss during our call last week, is that there are some networks that still define themselves as Carrier Ethernet, while being based on MPLS-TP. This would be the MPLS-TP crew...

Many Transport equipment vendors added MPLS-TP in order to capture the Ethernet business. In reality, MPLS-TP is not as efficient as IP/MPLS, so it was not as successful as the latter. Just another dimension to throw into your wheelhouse :-)...

Mark.

On 6/30/22 10:07, Etienne-Victor Depasquale wrote:

Here's an update which is tangential, but still noteworthy, in the context of today's quick chat.

A third work of mine in a series of publications aimed at describing the metro area network to the energy analyst, has been accepted for publication in [GreenCom 2022](#).

I'm attaching the draft (needs some final editing before it's what we call "camera ready").

Speak soon!

Etienne

On Tue, Jun 28, 2022 at 5:04 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Much obliged...

Mark.

On 6/28/22 16:49, Etienne-Victor Depasquale wrote:

Sure, Mark - I've updated the invitation.

Cheers,

Etienne

On Tue, Jun 28, 2022 at 4:46 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Etienne, do you mind if we meet 30 minutes earlier?

Mark.

On 6/28/22 16:34, Mark Tinka wrote:

Thanks, Etienne.

The trip was quite eventful :-).

Speak soon.

Mark.

On 6/27/22 20:09, Etienne-Victor Depasquale wrote:

It works like a charm, Mark, thank you :) - I've sent the Zoom invitation from my UM (University of Malta) account.

Hope you had a safe, peaceful and useful trip !

Warm regards,

Etienne

On Mon, Jun 27, 2022 at 6:05 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

I just got back to Jo'burg.

We can have a call this Thursday, if that works for you. 1100hrs SAST. Thanks.

Mark.

On 6/24/22 10:18, Etienne-Victor Depasquale wrote:

Dear Mark,

I've updated according to your instructions (I hope :)) and the updated questionnaire is [here](#) (same link as before).

At your convenience, please let me know what times suit you best for a quick discussion.

In particular,
one thing that puzzles me and I'm hoping to elicit clarification on,
regards backhaul from access nodes (whatever the access network type).
I keep on asking myself
- for customer separation and QoS - is it:

- (a) "Carrier Ethernet" (customer payload) - over "MPLS" (L2.5) - over "Ethernet (L2 MAC + L1)", or
- (b) are we now starting to strip it down to just a Carrier Ethernet handoff with PB (Q-in-Q) ?

I understand that "both" is probably the answer,
but the big picture - a kind of distribution of technology choice -
is what I'm hoping for to understand the direction we're moving in.

Cheers,

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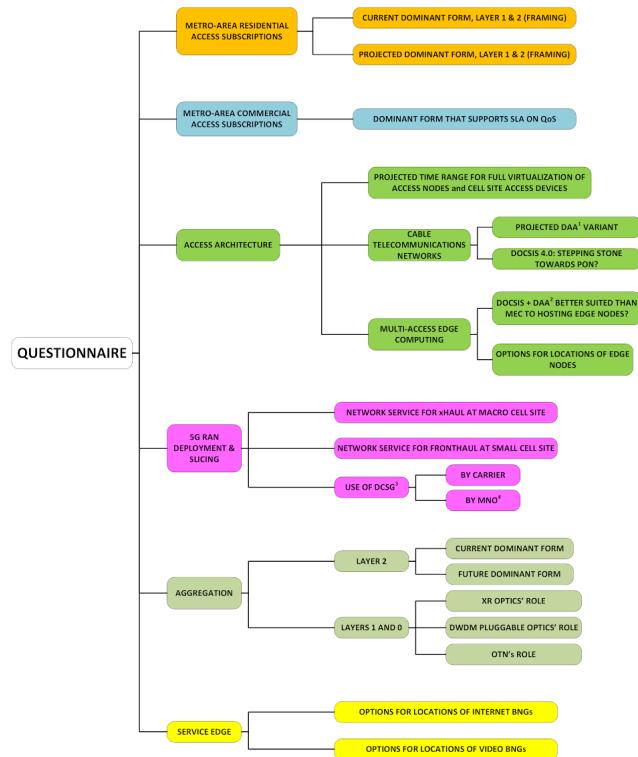
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Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

Thanks, Etienne.

It was good talking to you as well.

Let me review and come back to you soonest. Thanks.

Mark.

On 6/30/22 13:16, Etienne-Victor Depasquale wrote:

Hello again Mark :)

What a pleasure it is to discuss with you;
it's like looking into a world that I can otherwise only see from far.

Attached, please find a zip file that contains four pdfs:
one is just a collection of abstracts,
while the others are publications that document my progression
in understanding metro area network architecture.

I'm looking forward to working further with you on this
(should you still find the time for it)
during the coming two - three months !

Best regards,

Etienne

On Thu, Jun 30, 2022 at 10:07 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Here's an update which is tangential, but still noteworthy, in the context of today's quick chat.

A third work of mine in a series of publications aimed at describing the metro area network to the energy analyst, has been accepted for publication in [GreenCom 2022](#).

I'm attaching the draft (needs some final editing before it's what we call "camera ready").

Speak soon!

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We can have a call this Thursday, if that works for you. 1100hrs SAST. Thanks.

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Dear Mark,

I've updated according to your instructions (I hope :)) and the updated questionnaire is [here](#) (same link as before).

At your convenience, please let me know what times suit you best for a quick discussion.

In particular,

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regards backhaul from access nodes (whatever the access network type).

I keep on asking myself

- for customer separation and QoS - is it:

- (a) "Carrier Ethernet" (customer payload) - over "MPLS" (L2.5) - over "Ethernet (L2 MAC + L1)", or
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- Metro-area Residential Access Subscriptions:
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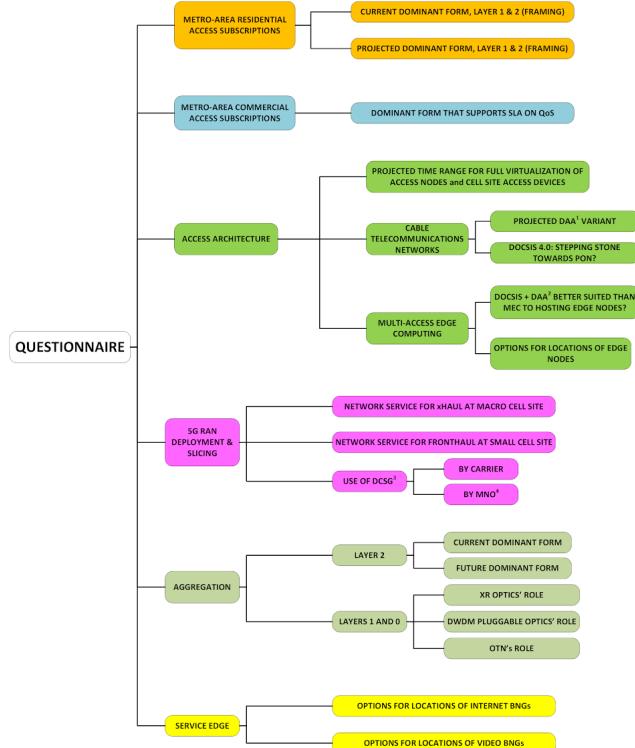
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On 6/8/22 09:53, Etienne-Victor Depasquale wrote:

Incidentally, the graphic below shows a more detailed overview of the questionnaire's structure.



Cheers,

Etienne

On Tue, Jun 7, 2022 at 5:45 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Dear Mark,

At last, the first draft is ready for your review.

Looking forward to your feedback, but please take your time.

Warm regards,

Etienne

On Fri, Jun 3, 2022 at 10:00 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Thanks, Mark!

We need more like you in this world!

Cheers,

Etienne

On Fri, 3 Jun 2022, 09:54 Mark Tinka, <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Sure, I'll be here :-).

Mark.

On 6/3/22 09:33, Etienne-Victor Depasquale wrote:

Dear Mark,

I've finally come to the point where I can procrastinate no longer :)

This weekend, I'll tune the questionnaire and close it.

May I ping you next week, to let you know that it's ready for your review?

Warm regards,

Etienne

On Tue, Feb 8, 2022 at 1:19 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Thank you for the acknowledgement :)

Cheers,

Etienne

On Tue, Feb 8, 2022 at 1:13 PM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

I see it.

Happy to look at it as it develops. Just let me know when you want me to start looking.
Mark.

On 2/8/22 13:26, Etienne-Victor Depasquale wrote:

Hello Mark,

I've just shared a Google Form with you, showing work in progress on the question.
The form is nowhere near finished; I have at least two sections to add and lots of questions.
I'm sharing it at this point simply in case you might like to look at it while it's still a draft.
If you'd rather wait for a first draft, please just ignore this message.

Best regards,

Etienne

On Thu, Jan 27, 2022 at 1:41 PM Mark Tinka <mark.tinka@seacom.com> wrote:
Alright, thanks.

Mark.

On 1/27/22 12:36, Etienne-Victor Depasquale wrote:

Incidentally, the latest version of the position paper I had forwarded is now available for review.
I'm planning on submitting to GreenNet 2022 (a workshop in NetSoft 2022).

Cheers,

Etienne

On Thu, Jan 27, 2022 at 11:28 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
No worries, Mark, the old mill had lots of grist to grind :)

I've sent an invitation for Monday 31st at 11 am.

Thank you for sparing the time.

Cheers,

Etienne

On Thu, Jan 27, 2022 at 9:14 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Sorry about that, it's been a mad rush to the start of the year.

Let's plan for a call on Monday, say 11AM.

Mark.

On 1/27/22 09:40, Etienne-Victor Depasquale wrote:

Hi Mark,

I wonder whether this time of the year is a better one to have a call.
You referred to last November.

Cheers,

Etienne

On Mon, Dec 6, 2021 at 5:45 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Hello :)

Just a gentle reminder about this.

Cheers,

Etienne

On Sat, Nov 27, 2021 at 8:06 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
I'm truly grateful for your kind disposition !

Yes, a call would probably sum up my objective more concisely than a long-winded email.

When would be convenient for you? I understand that we're in the same time zone (SAST = CET).
Any weekday barring Monday and Friday would suit.

I'm attaching a recent publication attempt to help set the backdrop.
I'm not asking you to read it, but I'll refer to it during our conversation.

Warm regards,

Etienne

On Sat, Nov 27, 2021 at 1:41 PM Mark Tinka <mark.tinka@seacom.com> wrote:
| Thanks, Etienne.

Yes, happy to help.

Want to setup a call, perhaps?

Mark.

On 11/24/21 20:50, Etienne-Victor Depasquale wr

Dear Mark,

I hope that you are well and at peace !

If you can still spare some time to help me
the questionnaire
I had referred to in November last year (!!!
I am finally facing the bear ...
so this is the point where I ask you whether
can put up with my questions
or whether I should leave you alone for sor
time :)

Warm regards,

Etienne

On Mon, Nov 2, 2020 at 8:57 AM Etienne-\Depasquale <edepa@ieee.org> wrote:
| Much obliged Mark ... I hope to repay yo
some way !

I should send it to you in about two week
time, once I've dusted my mind's worksp
from the current work.

Warm regards,

Etienne

On Mon, Nov 2, 2020 at 7:49 AM Mark T <mark.tinka@seacom.com> wrote:
| Thanks, Etienne.

Sure, I'd be happy to check your
questionnaire :-).

Mark.

On 10/30/20 20:59, Etienne-Victor Depasquale wrote:

Dear Mark,

Your friendly neighbourhood
pest is here again :)

I'm wrapping up a paper and
next week hope to resume
one on implementational
models
for 5G metro-area networks.
If you'd like an example of
what I have in mind (for the
5G MAN),
a paper that deals with
conventional infrastructure
segmentation is attached to
this email.

To the point:
a doubt I'd like to resolve (for
the purpose of this 5G
paper) regards the role that
OTN plays
in the metro area.
My research places it within
inter-datacentre networks,
and nowhere in aggregation.

The best resolution I can
think of is a short
questionnaire distributed to
the NANOG mailing list,
but I'd dearly like someone to
curate my handling of
operators' sensitivities.
I mean: I might ask
questions that blow the
questionnaire out of my
audience's sight.

Would you be able to review
the questionnaire once I'm
done with the first draft?

Warm regards,

Etienne

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Etienne-Victor Depasquale <eedepa@ieee.org>
To: Mark Tinka <mark.tinka@seacom.com>

An insight only an insider like you would know !

I'll readily admit that I didn't expect to capture all possibilities explicitly.
For respondents who are feeling cooperative,
I've left an "other" option in most questions that seemed to have some lateral space,
to give such respondents room to share their experience.

Fingers crossed.

Cheers,

Etienne

On Mon, Jul 4, 2022 at 1:36 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Hi Etienne.

So another thing that came to mind, which we did not discuss during our call last week, is that there are some networks that still define themselves as Carrier Ethernet, while being t

And this would be the MPLS-TP crew...

Many Transport equipment vendors added MPLS-TP in order to capture the Ethernet business. In reality, MPLS-TP is not as efficient as IP/MPLS, so it was not as successful as the latt
Just another dimension to throw into your wheelhouse :-... .

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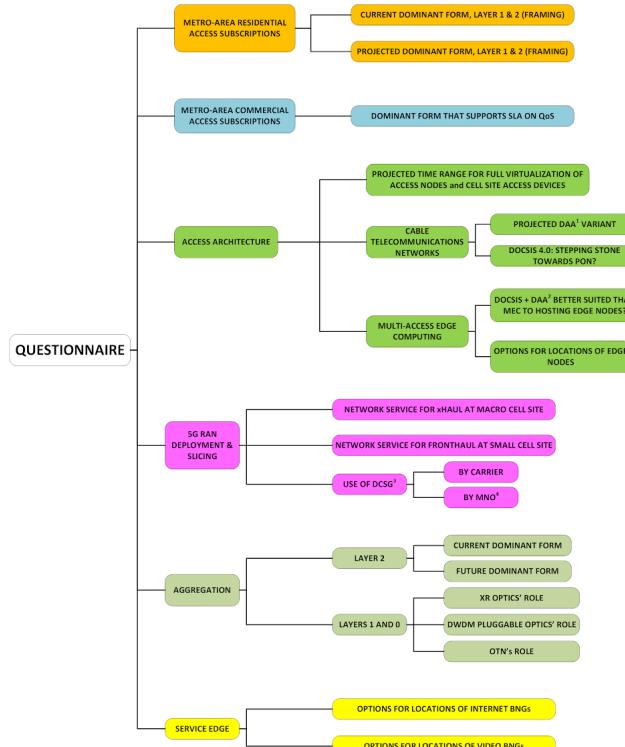
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At last, the first draft is ready for your review.

Looking forward to your feedback, but please take your time.

Warm regards,

Etienne

On Fri, Jun 3, 2022 at 10:00 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
Thanks, Mark!

We need more like you in this world!

Cheers,

Etienne

On Fri, 3 Jun 2022, 09:54 Mark Tinka, <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

Sure, I'll be here :-).

Mark.

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Dear Mark,

I've finally come to the point where I can procrastinate no longer :)

This weekend, I'll tune the questionnaire and close it.

May I ping you next week, to let you know that it's ready for your review?

Warm regards,

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On Tue, Feb 8, 2022 at 1:19 PM Etienne-Victor Depasquale <edepa@ieee.org> wrote:
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Cheers,

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Thank you for sparing the time.

Cheers,

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Let's plan for a call on Monday, say 11AM.

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Hi Mark,

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you referred to last November.

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Hello :)

Just a gentle reminder about this.

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I'm truly grateful for your kind disposition !
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When would be convenient for you? I understand that the same time zone (SAST = CET).

Any weekday barring Monday and Friday would suit

I'm attaching a recent publication attempt to help set backdrop.

I'm not asking you to read it, but I'll refer to it during our conversation.

Warm regards,

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I hope that you are well and at peace !

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you can put up with my questions
or whether I should leave you alone for some time :)

Warm regards,

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On Mon, Nov 2, 2020 at 8:57 AM Etienne-Victor Depasquale <edepa@ieee.org> wrote:

Much obliged Mark ... I hope to repay you somehow !

I should send it to you in about two weeks' time, once I've dusted my mind's workspace from the current work.

Warm regards,

Etienne

On Mon, Nov 2, 2020 at 7:49 AM Mark Tinka <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

Sure, I'd be happy to check your questionnaire :-).

Mark.

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Dear Mark,

Your friendly neighbourhood pest is here again :)

I'm wrapping up a paper and next week hope to resume one on implementation models for 5G metro-area networks. If you'd like an example of what I have in mind (for the 5G MAN), a paper that deals with conventional infrastructure segmentation is attached to this email.

To the point:
a doubt I'd like to resolve (for the purpose of this 5G

paper) regards the role that OTN plays in the metro area. My research places it within inter-datacentre networks, and nowhere in aggregation.

The best resolution I can think of is a short questionnaire distributed to the NANOG mailing list, but I'd dearly like someone to curate my handling of operators' sensitivities. I mean: I might ask questions that blow the questionnaire out of my audience's sight.

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Mark Tinka <mark.tinka@seacom.com>
To: Etienne-Victor Depasquale <edepa@ieee.org>

No worries... I'm sure it will all iron out as the responses start to come in.

Mark.

On 7/4/22 19:55, Etienne-Victor Depasquale wrote:

An insight only an insider like you would know !

I'll readily admit that I didn't expect to capture all possibilities explicitly.
For respondents who are feeling cooperative,
I've left an "other" option in most questions that seemed to have some lateral space,
to give such respondents room to share their experience.

Fingers crossed.

Cheers,

Etienne

On Mon, Jul 4, 2022 at 1:36 PM Mark Tinka <mark.tinka@seacom.com> wrote:
Hi Etienne.

So another thing that came to mind, which we did not discuss during our call last week, is that there are some networks that still define themselves as Carrier Ethernet, while

And this would be the MPLS-TP crew...

Many Transport equipment vendors added MPLS-TP in order to capture the Ethernet business. In reality, MPLS-TP is not as efficient as IP/MPLS, so it was not as successful as I
Just another dimension to throw into your wheelhouse :-)...

Mark.

On 6/30/22 10:07, Etienne-Victor Depasquale wrote:

Here's an update which is tangential, but still noteworthy, in the context of today's quick chat.

A third work of mine in a series of publications aimed at describing the metro area network to the energy analyst, has been accepted for publication in [GreenCom 2022](#).

I'm attaching the draft (needs some final editing before it's what we call "camera ready").

Speak soon!

Etienne

On Tue, Jun 28, 2022 at 5:04 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Much obliged...

Mark.

On 6/28/22 16:49, Etienne-Victor Depasquale wrote:

Sure, Mark - I've updated the invitation.

Cheers,

Etienne

On Tue, Jun 28, 2022 at 4:46 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Etienne, do you mind if we meet 30 minutes earlier?

Mark.

On 6/28/22 16:34, Mark Tinka wrote:

Thanks, Etienne.

The trip was quite eventful :-).

Speak soon.

Mark.

On 6/27/22 20:09, Etienne-Victor Depasquale wrote:

It works like a charm, Mark, thank you :) - I've sent the Zoom invitation from my UM (University of Malta) account.

Hope you had a safe, peaceful and useful trip !

Warm regards,

Etienne

On Mon, Jun 27, 2022 at 6:05 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

I just got back to Jo'burg.

We can have a call this Thursday, if that works for you. 1100hrs SAST. Thanks.

Mark.

On 6/24/22 10:18, Etienne-Victor Depasquale wrote:

Dear Mark,

I've updated according to your instructions (I hope :)) and the updated questionnaire is [here](#) (same link as before).

At your convenience, please let me know what times suit you best for a quick discussion.

In particular,
one thing that puzzles me and I'm hoping to elicit clarification on,
regards backhaul from access nodes (whatever the access network type).
I keep on asking myself
- for customer separation and QoS - is it:

(a) "Carrier Ethernet" (customer payload) - over "MPLS" (L2.5) - over "Ethernet (L2 MAC + L1)", or
(b) are we now starting to strip it down to just a Carrier Ethernet handoff with PB (Q-in-Q) ?

I understand that "both" is probably the answer,
but the big picture - a kind of distribution of technology choice -
is what I'm hoping for to understand the direction we're moving in.

Cheers,

Etienne

On Sat, Jun 18, 2022 at 1:41 PM Mark Tinka <mark.tinka@seacom.com> wrote:

Thanks, Etienne.

Yes, sure.

If you are able, please let me know once you've made the updates, and I'll take a look to see if anything else jumps up, before our

Mark.

On 6/18/22 09:37, Etienne-Victor Depasquale wrote:

Marvellous, thank you, you have a great mind as well as a great heart :).
I'll act on your suggestions.

I plan to submit my research results in some IEEE journal; you'll obviously be included in the acknowledgements.

I don't want to distract you during your travels, but once you do get back from your trip,
would you care to have a short online discussion to close this?

Warm regards,

Etienne

On Sat, Jun 18, 2022 at 9:07 AM Mark Tinka <mark.tinka@seacom.com> wrote:

Hi Etienne.

- Demographics:
 - Add WISP (Wireless ISP) as option 4.
 - Any reason you have China mentioned specifically?
 - For subscribers in metro areas, would recommend it follows the continents, rather than countries; as well as:
- Metro-area Residential Access Subscriptions:

- Add Active-E.
- Add wireless (licensed, unlicensed and mobile).
- Access Architecture:
 - I'd also ask about pure Active-E fibre, in addition to PON and DOCSIS.
- 5G RAN deployment and slicing:
 - I'd ask about using wireless for xHaul as well (relevant for less developed countries or rural towns).
- Aggregation:
 - I'd list DWDM/SDH/SONET/TDM as an option for transport between the access and core. Might be the case
- Service Edge:
 - I'd suggest a line of questioning that also considers simply runs off CDN-based video delivery in public/privat

Let me know your thoughts.

I'm traveling all week from tonight, but we can plan to connect online if it helps. Thanks.

Mark.

On 6/17/22 11:22, Etienne-Victor Depasquale wrote:

Thank you for your good temper :)

Cheers,

Etienne

On Fri, Jun 17, 2022 at 10:47 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

No bother at all, truly :-).

I should have feedback for you by later this evening. Thanks.

Mark.

On 6/17/22 10:36, Etienne-Victor Depasquale wrote:

I'm treading on treacherous ground here and I am truly afraid of irking you.

I don't want to bother you, but if you can, I would love to know when you think you might finish your review

Please do excuse me if this comes across as cheeky; I would understand if you are unable to give me so

Warm regards,

Etienne

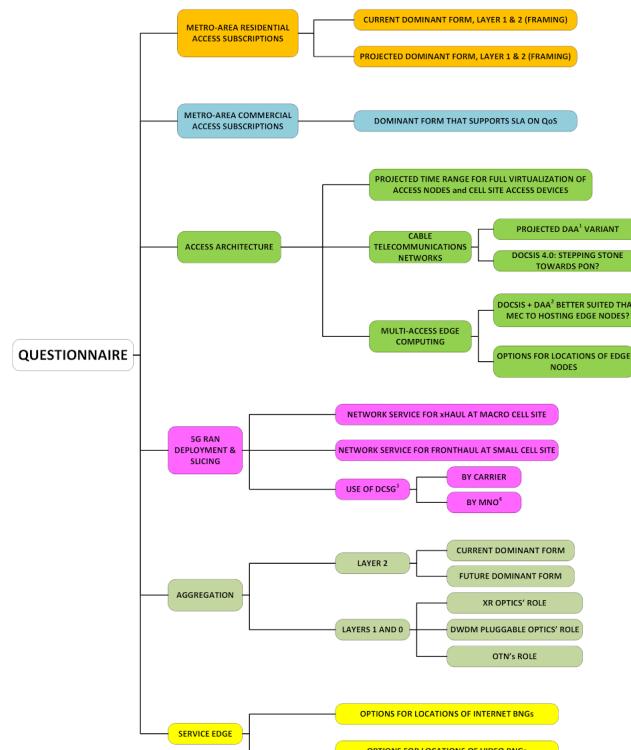
On Wed, Jun 8, 2022 at 10:54 AM Mark Tinka <mark.tinka@seacom.com> wrote:
Thanks, Etienne.

Let me review and come back to you.

Mark.

On 6/8/22 09:53, Etienne-Victor Depasquale wrote:

Incidentally, the graphic below shows a more detailed overview of the questionnaire's structure.



Cheers,

Etienne

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Dear Mark,

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The best resolution I can think of is a short questionnaire distributed the NANOG mailing list, but I'd dearly like someone to curate my handling of operators' sensitivities. I mean: I might ask questions that blow the questionnaire out of my audience's sight.

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