

**From:** [Miller, Carl A. \(Fed\)](#)  
**To:** [Peralta, Rene C. \(Fed\)](#); [beacon](#)  
**Cc:** [Regenscheid, Andrew R. \(Fed\)](#)  
**Subject:** Re: Let us meet  
**Date:** Tuesday, May 30, 2017 3:27:54 PM  
**Attachments:** [Bell.pdf](#)

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Hi all –

Here's a short description of the work that we're thinking of doing for the randomness beacon. (See attachment.) Basically, Paulina and I are considering doing some local quantum crypto experiments, and a nice byproduct might be an initial quantum source to plug into the randomness beacon.

This is just preliminary – we haven't had the chance yet to talk to the other quantum randomness folks in Gaithersburg, like Josh and Michael. In any case, comments are welcome.

-Carl

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Carl A. Miller  
Mathematician, Computer Security Division  
National Institute of Standards and Technology  
Gaithersburg, MD

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**From:** "Miller, Carl A. (Fed)" <carl.miller@nist.gov>  
**Date:** Friday, May 26, 2017 at 10:38 AM  
**To:** "Peralta, Rene (Fed)" <rene.peralta@nist.gov>, [beacon](#) <beacon@nist.gov>  
**Cc:** "Regenscheid, Andrew (Fed)" <andrew.regenscheid@nist.gov>  
**Subject:** Re: Let us meet

Hi Rene --

Ok, sure, I'll work on that.

-Carl

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Carl A. Miller  
Mathematician, Computer Security Division  
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**From:** "Peralta, Rene (Fed)" <rene.peralta@nist.gov>  
**Date:** Friday, May 26, 2017 at 9:12 AM  
**To:** "Miller, Carl A. (Fed)" <carl.miller@nist.gov>, beacon <beacon@nist.gov>  
**Cc:** "Regenscheid, Andrew (Fed)" <andrew.regenscheid@nist.gov>  
**Subject:** Re: Let us meet

Hi Carl,

I communicated with Paulina yesterday. She will return from vacation on June 13th. I will be gone June 13th - 21st. I was wondering if it would be a good idea to have a written description of what you and her would like to pursue.

Regards, Rene.

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**From:** Miller, Carl A. (Fed)  
**Sent:** Thursday, May 25, 2017 5:30 PM  
**To:** Peralta, Rene (Fed); beacon  
**Cc:** Regenscheid, Andrew (Fed)  
**Subject:** Re: Let us meet

Hi Rene –

It would be great to meet. We could also discuss the quantum source (I was talking to Paulina Kuo earlier this week about that).

My schedule is pretty flexible. Wednesday (after 10am) is a possible day.

-Carl

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Carl A. Miller  
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**From:** "Peralta, Rene (Fed)" <rene.peralta@nist.gov>  
**Date:** Thursday, May 25, 2017 at 2:13 PM

**To:** beacon <beacon@nist.gov>

**Cc:** "Regenscheid, Andrew (Fed)" <andrew.regenscheid@nist.gov>

**Subject:** Let us meet

Hi guys,

We have several issues pending : progress reports, answers to users regarding the API.

We should set up a meeting next week.

Rene.