

**From:** [Barker, Elaine B. \(Fed\)](#)  
**To:** [Dang, Quynh H. \(Fed\)](#); [Moody, Dustin \(Fed\)](#); [Chen, Lily \(Fed\)](#); [McKay, Kerry A. \(Fed\)](#); [Bassham, Lawrence E. \(Fed\)](#); [Peralta, Rene C. \(Fed\)](#); [Dworkin, Morris J. \(Fed\)](#); [Chang, Shu-jen H. \(Fed\)](#); [Perlner, Ray A. \(Fed\)](#); [Kelsey, John M. \(Fed\)](#); [Regenscheid, Andrew R. \(Fed\)](#); [Cooper, David \(Fed\)](#)  
**Cc:** [Chen, Lily \(Fed\)](#)  
**Subject:** Key Management Figures  
**Date:** Thursday, September 29, 2016 3:17:23 PM  
**Attachments:** [Key Transport example.pptx](#)  
[Key Agreement examplef.pptx](#)

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Attached are the two figures for the key-management part of the annual report.

Elaine

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**From:** "Elaine. Gov" <elaine.barker@nist.gov>  
**Date:** Thursday, September 29, 2016 at 2:43 PM  
**To:** Quynh <quynh.dang@nist.gov>, "Moody, Dustin (Fed)" <dustin.moody@nist.gov>, "Chen, Lily" <lily.chen@nist.gov>, "McKay, Kerry A. (Fed)" <kerry.mckay@nist.gov>, Larry Bassham <lawrence.bassham@nist.gov>, "rene. gov" <rene.peralta@nist.gov>, Morris Dworkin <morris.dworkin@nist.gov>, Shu-jen <shu-jen.chang@nist.gov>, Ray Perlner <ray.perlner@nist.gov>, John Kelsey <john.kelsey@nist.gov>, Andrew <andrew.regenscheid@nist.gov>, David Cooper <david.cooper@nist.gov>  
**Cc:** "Chen, Lily" <lily.chen@nist.gov>  
**Subject:** Re: 2016 Annual Report - Need Project List Updated

Here is my key-management report. It's quite long after beefing it up with more information and a couple of figures. The others I have to do should be considerably shorter.

Lily: Please read the 56A and 56C topics carefully to see if I've included everything.

Elaine

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**From:** Quynh <quynh.dang@nist.gov>  
**Date:** Thursday, September 29, 2016 at 1:28 PM  
**To:** "Elaine. Gov" <elaine.barker@nist.gov>, Quynh <quynh.dang@nist.gov>, "Moody, Dustin (Fed)" <dustin.moody@nist.gov>, "Chen, Lily" <lily.chen@nist.gov>, "McKay, Kerry A. (Fed)" <kerry.mckay@nist.gov>, Larry Bassham <lawrence.bassham@nist.gov>, "rene. gov" <rene.peralta@nist.gov>, Morris Dworkin <morris.dworkin@nist.gov>, Shu-jen <shu-jen.chang@nist.gov>, Ray Perlner <ray.perlner@nist.gov>, John Kelsey <john.kelsey@nist.gov>, Andrew <andrew.regenscheid@nist.gov>, David Cooper <david.cooper@nist.gov>  
**Cc:** "Chen, Lily" <lily.chen@nist.gov>  
**Subject:** Re: 2016 Annual Report - Need Project List Updated

Hi Elaine,

I originally asked for them by today. But, do the best you can!

When I receive all of the write-ups, I will initiate a comment period for all of the write-ups. Comments should be provided on each write-up separately and each submitter will send me his/her final version(s) after the comment period.

Quynh.

**From:** "Barker, Elaine B. (Fed)" <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>

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**Date:** Thursday, September 29, 2016 at 1:11 PM  
**To:** 'Quynh' <[Quynh.Dang@nist.gov](mailto:Quynh.Dang@nist.gov)>, "Moody, Dustin (Fed)" <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>, "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>, "McKay, Kerry A. (Fed)" <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>, "Bassham, Lawrence E (Fed)" <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>, "Peralta, Rene (Fed)" <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>, "Dworkin,

Morris J. (Fed)" <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>, Shu-jen Chang <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>, "Perlner, Ray (Fed)" <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>, John Kelsey <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>, "Regenscheid, Andrew (Fed)" <[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>, David Cooper <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>

**Cc:** "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Subject:** Re: 2016 Annual Report - Need Project List Updated

What? You want the write-ups by tomorrow and comments on the write-ups by tomorrow as well? That's not possible. What do you mean?

Elaine

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**From:** Quynh <[quynh.dang@nist.gov](mailto:quynh.dang@nist.gov)>

**Date:** Thursday, September 29, 2016 at 9:50 AM

**To:** "Moody, Dustin (Fed)" <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>, Quynh <[quynh.dang@nist.gov](mailto:quynh.dang@nist.gov)>, "Chen, Lily" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>, "Elaine. Gov" <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>, "McKay, Kerry A. (Fed)" <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>, Larry Bassham <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>, "rene. gov" <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>, Morris Dworkin <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>, Shu-jen <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>, Ray Perlner <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>, John Kelsey <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>, Andrew <[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>, David Cooper <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>

**Cc:** "Chen, Lily" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Subject:** Re: 2016 Annual Report - Need Project List Updated

Hi all,

Since Dustin did not say anything, if you don't have any objections, I would like that comments for the write-ups to be sent to Dustin by COB Friday: the 30th of September (tomorrow).

Regards,

Quynh.

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**From:** "Moody, Dustin (Fed)" <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>

**Date:** Thursday, September 29, 2016 at 9:41 AM

**To:** 'Quynh' <[Quynh.Dang@nist.gov](mailto:Quynh.Dang@nist.gov)>, "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>, "Barker, Elaine B. (Fed)" <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>, "McKay, Kerry A. (Fed)" <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>, "Bassham, Lawrence E (Fed)" <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>, "Peralta, Rene (Fed)" <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>, "Dworkin, Morris J. (Fed)" <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>, Shu-jen Chang <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>, "Perlner, Ray (Fed)" <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>, John Kelsey <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>, "Regenscheid, Andrew (Fed)" <[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>, David Cooper <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>

**Cc:** "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Subject:** RE: 2016 Annual Report - Need Project List Updated

Quynh,

I've attached write-ups for PQC and ECC. Thanks,

Dustin

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**From:** Dang, Quynh (Fed)

**Sent:** Thursday, September 29, 2016 7:46 AM

**To:** Chen, Lily (Fed) <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>; Barker, Elaine B. (Fed) <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>; McKay, Kerry A. (Fed) <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>; Moody, Dustin (Fed) <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>; Bassham, Lawrence E (Fed) <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>; Peralta, Rene (Fed) <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>; Dworkin, Morris J. (Fed) <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>; Chang, Shu-jen H. (Fed) <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>; Perlner, Ray (Fed) <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>; Kelsey, John M. (Fed) <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>; Regenscheid, Andrew (Fed)

<[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>; Cooper, David A. (Fed) <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>; Dang, Quynh (Fed) <[quynh.dang@nist.gov](mailto:quynh.dang@nist.gov)>

**Cc:** Chen, Lily (Fed) <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Subject:** Re: 2016 Annual Report - Need Project List Updated

Hi all,

Please be noted that I hope to receive your write-up today if you have not sent it out already.

Regards,

Quynh.

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**From:** 'Quynh' <[Quynh.Dang@nist.gov](mailto:Quynh.Dang@nist.gov)>

**Date:** Tuesday, August 30, 2016 at 7:15 AM

**To:** "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>, 'Quynh' <[Quynh.Dang@nist.gov](mailto:Quynh.Dang@nist.gov)>, "Barker, Elaine B. (Fed)" <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>, "McKay, Kerry A. (Fed)" <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>, "Moody, Dustin (Fed)" <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>, "Bassham, Lawrence E (Fed)" <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>, "Peralta, Rene (Fed)" <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>, "Dworkin, Morris J. (Fed)" <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>, Shu-jen Chang <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>, "Perlner, Ray (Fed)" <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>, John Kelsey <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>, "Regenscheid, Andrew (Fed)" <[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>, David Cooper <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>

**Cc:** "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Subject:** Re: 2016 Annual Report - Need Project List Updated

Hi all,

Patrick asked Lily for an updated project list of FY2016 by September 2nd (this coming Friday).

1. Please review the attached list in Lily's email below and let everyone know any changes you would like to see in the list (including adding new items) by this coming Thursday.
2. I suggest you send out your project write-ups as soon as possible in September for reviews and comments. In your emails, please remember to state your requested comment periods (2 or 3 days). If you revise your write-ups and you are not sure that the comments you receive are solved yet, please send the revised write-ups to the commenters and work with them to perfect your write-ups.

I would like to have your final write-ups by September 29th.

Regards,

Quynh.

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**From:** "Chen, Lily (Fed)" <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Date:** Monday, August 29, 2016 at 5:10 PM

**To:** 'Quynh' <[Quynh.Dang@nist.gov](mailto:Quynh.Dang@nist.gov)>, "Barker, Elaine B. (Fed)" <[elaine.barker@nist.gov](mailto:elaine.barker@nist.gov)>, "McKay, Kerry A. (Fed)" <[kerry.mckay@nist.gov](mailto:kerry.mckay@nist.gov)>, "Moody, Dustin (Fed)" <[dustin.moody@nist.gov](mailto:dustin.moody@nist.gov)>, "Bassham, Lawrence E (Fed)" <[lawrence.bassham@nist.gov](mailto:lawrence.bassham@nist.gov)>, "Peralta, Rene (Fed)" <[rene.peralta@nist.gov](mailto:rene.peralta@nist.gov)>, "Dworkin, Morris J. (Fed)" <[morris.dworkin@nist.gov](mailto:morris.dworkin@nist.gov)>, Shu-jen Chang <[shu-jen.chang@nist.gov](mailto:shu-jen.chang@nist.gov)>, "Perlner, Ray (Fed)" <[ray.perlner@nist.gov](mailto:ray.perlner@nist.gov)>, John Kelsey <[john.kelsey@nist.gov](mailto:john.kelsey@nist.gov)>, "Regenscheid, Andrew (Fed)" <[andrew.regenscheid@nist.gov](mailto:andrew.regenscheid@nist.gov)>, David Cooper <[david.cooper@nist.gov](mailto:david.cooper@nist.gov)>

**Subject:** FW: 2016 Annual Report - Need Project List Updated

The summer is over. About one month left for FY16. We need to start to plan for FY 2016 annual report. The first step is to look at the list of items we included in our FY 15 annual

report and answer the following questions.

1. Does the item you authored last year have an update this year? Shall we still have this item in FY 16 annual report?
2. Shall the item merge with other item(s)?
3. Shall the item re-named?
4. Do you think any new item(s) shall be added to the FY 16 annual report?
5. If you lead or participate a project but it belongs to another group or another division, please also reach out to tell the updates you may have.

This is the first step. We will get the list for FY 16 before the end of this week. I would like to ask Quynh to lead the effort. From Patrick's e-mail below, you can see that our group has been a good team in completing our annual reports. I appreciate the effort Quynh and every one made in the previous years.

Thank you all for the effort.

Lily

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**From:** O'Reilly, Patrick D. (Fed)

**Sent:** Monday, August 29, 2016 1:28 PM

**To:** Chen, Lily (Fed) <[lily.chen@nist.gov](mailto:lily.chen@nist.gov)>

**Cc:** Scholl, Matthew (Fed) <[matthew.scholl@nist.gov](mailto:matthew.scholl@nist.gov)>

**Subject:** 2016 Annual Report - Need Project List Updated

Hi Lily,

It's that time of year again. Today I am sending out emails to the division's group managers asking you guys to please take a couple of minutes to review the List you provided for me for the 2015 CSD Annual Report. I need this list of projects/programs with P.O.C. updated to reflect 2016 CSD Activities.

I believe none of your projects/programs from last year migrated to Kevin Stine's ACD.

Please update this list as best as you can of the program/projects that you would like to see in the 2016 Annual Report.

Towards mid/late September I will start emailing all the program/projects POC with their 2015 write-ups and ask them to update them to reflect 2016 highlights/accomplishments.

Can you please review and make the necessary updates to your list (new projects/programs - please list any projects/programs should not be included please note which ones & if any project/program POC is updated please include as well) I would like to have this updated list returned back to me by this Friday, Sept. 2 by 12noon. I know once we hit Labor Day and after things are going to be rather hectic. I really would like to get this next Annual Report out by no later than April (preferably sooner) of next year. Your assistance is greatly appreciated I thank you in advance for your help & time. I also ask that you reach out to your folks and ask them to please assist with getting their project/program write-ups updated/drafted and turn to me by deadline I request (probably will be mid-October).

Last year I was dealing with a major hurdle (recovering from a car accident missed most of Dec/Jan in terms of work) so when I got back, I had to chase a bunch of people down for their write-ups. Your group I had no issues with because you guys sent me your write-ups as a 1-package deal within the deadline I set of late October last year. I wish the other groups can work like your group. Oh well.

Thank you.

Patrick

