

From: [Polyakov, Sergey V. \(Fed\)](#)
To: [Ivan Burenkov](#); [Oliver Slattery](#)
Cc: [Slattery, Oliver T. \(Fed\)](#); [Polyakov, Sergey V. \(Fed\)](#); [Miller, Carl A. \(Fed\)](#); [Ma, Lijun \(Fed\)](#); [Marakkarakath Vadakkepurayil, Jabir \(IntlAssoc\)](#); [El Idrissi, Driss \(IntlAssoc\)](#); [Battou, Abdella \(Fed\)](#)
Subject: Re: IMS_2020-v4.docx
Date: Monday, February 25, 2019 9:46:10 AM

Ivan,

10^{-19} J/bit is correct, thanks for catching the "-" sign. 1 photon/bit creates confusion in readers because they subconsciously replace "photon" with "single photon" where it is not intended, and get a sentence that reads nonsense. That was the major complaint about our initial submission.

Sergey.

On 2/24/2019 7:24 PM, Ivan Burenkov wrote:

Good evening,

In " 10^{19} J/bit " minus sign is missing (" 10^{-19} J/bit ")? Maybe ~ 1 photon per bit?

Ivan

On Sun, Feb 24, 2019 at 5:17 PM Oliver Slattery (b) (6) wrote:

Hi Guys,
I edited it a bit - mostly just the wording. The edits are just suggestions so please read to make sure I maintained the original intention. The new length is about the same as the old length (if the edits are accepted) - so should still fit on one page if the spaces are removed and maybe some minor culling.

I am emailing a version with the markup visible - I hope that it goes through that way.

thanks
Ollie S.

On Friday, February 22, 2019, 6:04:26 PM GMT+1, Slattery, Oliver T. (Fed)
<oliver.slattery@nist.gov> wrote:

From: Battou, Abdella (Fed)
Sent: Friday, February 22, 2019 12:02 PM

To: Polyakov, Sergey V. (Fed) <sergey.polyakov@nist.gov>; Miller, Carl A. (Fed) <carl.miller@nist.gov>; Slattery, Oliver T. (Fed) <oliver.slattery@nist.gov>; Ma, Lijun (Fed) <lijun.ma@nist.gov>; Marakkarakath Vadakkepurayil, Jabir (IntlAssoc) <jabir.marakkarakathvadakkepurayil@nist.gov>; El Idrissi, Driss (IntlAssoc) <driss.elidrissi@nist.gov>; Battou, Abdella (Fed) <abdella.battou@nist.gov>; Ivan Burenkov <ivanburenkov@gmail.com>
Subject: IMS_2020-v4.docx

Latest version, please email any additional comments for Monday version if allowed.

Cheers,

Abdella

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and
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