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**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Wednesday, June 12, 2019 9:48 AM  
**To:** Brian Ellrott - NOAA Federal  
**Cc:** Evan Sawyer - NOAA Affiliate  
**Subject:** Re: ROC LTO: tier 1 frequency

Yes I saw this before too. In the effects section we state the assumed range, which is 45-68%. I feel like her comment is also a bit dated, and while they say they can do better, they also said we shouldn't use historical, and they also say we shouldn't use the modeled frequency (68%). I think it is right to keep the range (and that's why I didn't change that when I went through the tables before potential peer review release).

On Wed, Jun 12, 2019 at 9:40 AM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:  
Hola amigos (reading a lot of Dora books with Everett lately). Can one of you confirm or let me know the correct range below that Maria (MCR) commented on? It is the frequency of exposure for tier 1 from the I&S summary table.

Medium (45 - [\[MCR1\]](#) 68% of years)

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[\[MCR1\]](#) Are we still using 45 % in the effects section? Be careful to track effects section because 45% is historical and they are saying they can make significant improvement

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