

STAT COE NWC Reliability Process Feedback

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Andrew,

We've looked through the briefs and excel files you sent along for the J-Box and FBPEU. We believe we can help you get more detailed analysis once we better understand your current process. These briefs were pretty high level and generated several questions from us. It would be helpful to have a telecon with you and your team so you can walk us through your process for estimating reliability for an LRU step-by-step. We could then provide feedback as we go through the process with you as we better understand your process and assumptions. We can also help with any root cause analysis by using designed experiments.

Some of our immediate questions include:

How did you choose using a Weibull distribution to model your reliability?

How did you choose the parameters for this distribution?

Do you have data that support your model and parameter choices?

Most of the models we saw use age as the only predictor of reliability, are there other factors (e.g., manufacturer or additional functional test data) that you collect or could collect?

Let us know when would be a good time to set up a call so we can go over your process in more detail with you.

Thanks,
Sarah

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