

# TDR Update

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# TDR Draft

- Up-to-date draft version available here (in real time):  
<https://dune.bnl.gov/docs/dune-tdr/vol-sp/vol-sp-ch-sp-daq.pdf>
- 2<sup>nd</sup> draft of TDR went to LBNC on Dec. 21.
- Initial comments received Jan. 24 (next slides)
- Expect further comments, and google doc being prepared to facilitate responses to questions/comments
- Face-to-face meeting at Fermilab on Feb. 28 to discuss TDR chapters

# Initial general comments

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I think some of the questions should be clear and that you can work on incorporating them in new drafts. It is clear that the APA are in the best shape, the HV has a number of questions, but both of us had the greatest difficulty with the DAQ. It is worth pointing out that each of these chapters are the basis for an estimate of cost. The DAQ is very abstract and I have difficulty understanding how it supports a cost estimate.

We feel that the discussions of the connection of requirements to physics is going in the right direction. The tables in the APA look promising and I have heard this comment from people who are quite critical of previous efforts. However there may still be a disconnect with the higher level physics requirements. As we discussed with Ed and Stefan, they agree and are working on improvement of the overarching document.

For all the chapters, the risk discussion is missing I believe that in all cases we need to systematically consider risk in the following way: What is the Probability (number); what is the impact (number); Combine numbers; What is mitigation? Does mitigation modify probability and/or impact; recalculate "mitigated risk".

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