

**Charge to Production Readiness Review Committee  
on the Sensors  
for the DZero Run IIb L0 Silicon Sub-Project**

V. O'Dell  
DZero Run IIb Deputy Project Manager  
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Thank you for agreeing to serve on the D0 Run IIb Silicon Sensor Production Readiness Review Committee. The Committee is requested to review the overall readiness for placing the production order for the sensors for the DZero Run IIb L0 detector. Many of the technical aspects of these sensors have already been reviewed in the context of the Run2b Layer 0-1 PRR that occurred in August of last year ([http://www.physik.unizh.ch/~lehnerf/dzero/prr/prr\\_11.html](http://www.physik.unizh.ch/~lehnerf/dzero/prr/prr_11.html)).

With the cancellation of the Run2b detector the scale of the procurement is drastically reduced and expectations for total dose have been lowered. Detector pitch and length has been changed. In particular the project would like the committee to evaluate the following items:

- Review the specifications for the detectors in the context of reduced expectations for integrated luminosity and experience with Run2b detector characterization, recommending any changes that may be necessary.
- Review the QA program and the level of testing proposed.
- Comment on the overall readiness for procurement, cost, and schedule. If the Committee has any reservations here, it is requested that they describe what additional work should be done in order to meet proper readiness criteria.

The review date has been set for Friday, January 23 at Fermilab. I would like to ask that the Committee submit a report summarizing their findings to me by Friday, January 30th.

Once again, thank you very much. The contribution of your time and expertise is very much appreciated.