

Countries involved

Canada, Germany [DESY], Italy, Norway, Switzerland & CERN

CERN 29<sup>th</sup> May 2017

Dear Colleague,

I am writing to you because in the last ATLAS wide survey your funding agency has indicated that they would like to contribute to ITk Common Electronics. At that time one of the large ticket items was the ITk readout electronics that would live at the boundary of or inside the TDAQ part of the Phase II architecture. At the time of the last survey the core cost of this readout electronics was estimated at 2.5MCHF.

Very recently, we have come to an understanding that all of the readout hardware and calibration functionality for the ITk will be delivered by the TDAQ group within their Phase II architecture. We will keep this conclusion under review in the ITk common electronics group between now and mid-August this year. Unless we can identify any technical reason to revise the conclusion that the TDAQ architecture can meet all of our readout and calibration needs we will drop the 2.5MCHF from our core cost estimate.

For this reason when we circulate a new survey of aspirations for the ITk strips, Common Mechanics and Common electronics in the near future, this line item will be absent from the list of ITk common electronics deliverables.

It is worth mentioning here that several university groups with a particular interest in contributing to the (T)DAQ part of the ITk have entered discussions with TDAQ management on these specific issues. These advances have been

very well received within and I would encourage any other groups who might have similar interests to do the same but please keep me informed of such developments.

If you have any concerns about how this change in the core cost will affect your funding or how to approach TDAQ please do not hesitate to get in touch.

Steve McMahon, ITk - PL