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Subject: Heads up on incoming ORC
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Hi,

Some information about the ORC which you will probably soon be called upon to sign:

We have been reviewing a device to be tested in MT6.1 with the silicon telescope. We find that the device uses a card called a GLIB, about which certain information is lacking. Specifically, how much current it draws.

We have the following info: The card is designed at CERN. It is in widespread use there. It is in its 3rd major version number. It draws power from a standard computer power supply using the ATS specification. To my (limited) knowledge, ATS does not call out current limits, only voltage and connector types. We also know that in the absence of fan cooling, the unit does get quite warm to the touch – like, 50 degrees centigrade. A fan will be installed though.

We have asked the experimenters to provide the current draw information. In the event that they are not able to do so in a timely manner, I believe in the above circumstances that we should provide some mitigation at the operational level. The unit is in a small hut with a smoke detector and a camera. We will propose that they should be required to have the camera image focused on the device (and fan) and be visible in the control room whenever the unit is powered on.

This will probably force them to make a controlled access at the start and stop of each day's data taking.

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