Notes and action items from the phone discussion on the final issues with the Power supplies of Far det.

Issues:
-Overall design looks good and meets UVA's expectation.
==> The look (=arrangement) of the NDOS LV details page will be the look for the LV details page for the Far LV PS.

-Buttons on the main page need to turn yellow if the alarm condition for this channel is satisfied. Needs to be solved sooner rather than later. In the mean time, we need some alternatives, e.g. some text (or just a star) inside of the button, or some warning message outside of the channel grid.
==> The "Yellow" color is part of a major upgrade of the synoptic It will be requested from the developers (not the DCS-Acnet group).
==> the 'Alternative": In the mean time Bill will try to put a trick the can look like a 3-response. That will be the simplest hack he can do since it will be temporary (unknown length of time).

-Buttons on the main page need to be red if the channel is off - even if the power supply is on.
==> Will be implemented now.

-Histograms must not start empty. This means that some data for each histogram needs to be stored temporarily.
==> This is a non-trivial action and there will be a request to the synoptic developers to offer the option to access the Acnet logger (that holds info for some time min? days?) and plot them on the graphs. This is not on the DCS-Acnet group schedule but on the developers and there is no knowledge yet as to when this will be available. There is no plan for a temp solution for this service.

-The web based display does not allow write access (turning channel on/off, changing values). Write access is only possible for the java (?) application. Not sure about different access levels.
==> The Web display will be the default view at the CR by the operators of the detector (shifter). It will have view-only capabilities. It is agreed that shifter will not have the right to change anything on a power supply or PDB. If there is need to have write-access (= setting / changing values) on the PS then with the approval/supervision or permission of a DCS or PS/PDB expert or developer a shifter (or the expert-only -tdb) will open a different program called "viewer" that is exactly the same as the web view but has the capability of change the writable values for each PS. Detailed rules and protocols on this will have to be agreed and documented on the Control Manual of Nova detectors (to be written in the future).

-All values can be display in one window. The updates are in the attached Excel file.
==>The 17 individual parameters for each of the 60 PS channels will be displayed on the "LV

details page" for each channel. Even the ones that are not changing as the set values. There is space enough in the page so there is no problem. The archiving frequency though will be according to the latest excel file provided by Ralf.

-Use network names instead of IP addresses. More discussions on Monday 1pm (FNAL time).
==> The PS channels from now on will be referred to in the Acnet system by the network names not the numbered IP addresses. These IPs will be "statically allocated" to the PSs. This is a decision imposed by the networking design group (A.Norman). It has the benefits of easy programming the PSs, the IPs are managed by a table, and it is easy for the SMNP commands. The IPs will be given to by a table by the DHCP server. Each PS will have the same IP always as it depends on its MAC address. If there is an exchange of PS module the MAC will be new and the IP too but the network name will not change. More info in wikipedia:
http://en.wikipedia.org/wiki/DHCP#Technical_overview/ under "static allocation".
The Ps are not connected now (test during the discussion). Only the DHCP server is reachable. There are missing cables to or from switches.

-The first character of the device name needs to be a letter instead of a number. The updates are in the attached Excel file.
==> This is expected to be the final/ official excel for the way to integrate the PS system in the DCS. It has all the needed info and can be an example of how it should be.