

Pack Display CDR

January 24, 2020, 1pm, AEC 429

FSM:

- Hit enter you can choose to change the value and confirm changes
- Why do we have to tell the system that it is charging?
- “You have to tell it to charge, you can't just plug it in?”
- Indicator on the main screen that shows that it is charging .
- Thinks that the firmware should know that it is charging.
- If you click on a cell and press enter it will take you to the cell, which will take you to cell data, that will provide live updates of the cell data.
- A stuck enter button will be a concern because it will confirm changes immediately. Should default to No.
- No buffer between error screens and what happens when you get multiple errors?
 - If we only display the first error, this will be really annoying.
- Lack of concern for a bad cellman.
- Have a way to disable a cellman.
- If there is a specific cell that is acting up, the specific cell will be shown on the main screen.
- Have an indicator on the main screen that you are in a faulted state, because if the safety loop opens because of an AMS fault, that error can be cleared and needs to be resolved.
- Voltage error: cell has a V
- Temp error: cell has a T
- Perhaps go to a separate menu to clear a fault.
- State of Health - if the cell is dead and doesn't have time to be removed, declare it as bad.
- “If I were you, I would record all possible errors and ways for the safety loop to be opened.
 - Set temp threshold higher for overtemp ~
- “I would imagine there would be 50 or 60 cell configurations, you have five. I don't expect you to have 50 on one page.”

How the Data is exchanged:

- Simone's code was done in Core0 Clement's is in Core1
- Reconsider using numbers in configurations[0] place possibly use names
- If you make this into a map then you have a function that looks up configurations and set and get methods.
- You need a button to make it rescan the bus--actually, SMD is your reset button.