Assignment 2B – Address of the Peer Review done on our Assignment 1

Team 2: TNC MCU Design

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1. Comment: “Explain how your design considered specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.” Please provide a paragraph on this. Please explain this under your revised Preliminary Design (in Section 3 of the paper) in addition to the other material in this section.”
   - **(agree to change)**

## III. Project Analysis

### B. Alternatives and Tradeoffs Considerations

1. Comment: “due to us not needed to”
   - **(agree to change)**
   - **Location:** “When looking into microcontrollers, we looked into the Arduino which was programmed through the Arduino IDE but this was also ruled out due to us not needed to use an Arduino for our hardware.”

### C. Preliminary Design

1. Comment: “Formatting Fix”
   - **?**
2. Comment: “Switches tenses”
   - **(agree to change)**
   - **Location:** “The simulations were used to test our designs as we make them. To verify with correct voltage and current inputs we would be able to have the correct outputs from our design.”
3. Comment: “maybe reword this as it is somewhat unclear”
   - **(agree to change)**
   - **Location:** “To verify with correct voltage and current inputs we would be able to have the correct outputs from our design.”

## Appendices

1. Comment: “Appendices do not contain a coversheet”
   - **(disagree to change)**
   - **Reason:** Not necessary since we already have titles for each appendix.

## Appendix A

### E. Level 1 Functional Block Diagram

1. Comment: “basic level 0 diagram? I’m not sure if that was intertional or typo”
   - **(agree to change)**
   - **Location:** “This diagram is an extension upon our basic level diagram.”

2. Comment: “might read better as ‘the main data processing occurs inside of our system block,’ but that is more nit picky”
   - **(agree to change)**
   - **Location:** “Inside of our system block, the main data processing occurs.”

**Appendix D**

1. Comment: “Please provide an OSI type, layered communications model for the whole communications stack, covered by pages 15, 16, and 17.”
   - **(agree to change)**
2. Comment: “Please also provide a state diagram for the process and show how you validated the flowchart and state diagram, for pages 15, 16, and 17.”
   - **(disagree to change)**
   - **Reason:** We do not think it is necessary for this point of the design.
3. Comment: “Some of the acronyms should have a clearer description in the case that the reader is unfamiliar with the subject matter.”
   - **(disagree to change)**
   - **Reason:** Acronyms are described previously in paper.
4. Comment: “No level 2 diagram”
   - **(disagree to change)**
   - **Reason:** Not specified in the requirements for this assignment.

**A. Flowcharts (Receiving/Transmitting/Packet Formatting)**

1. Comment: “Flowchart text is hard to read”
   - **(agree to change)**
1. Comment: “Flowcharts are not labeled”
   - **(agree to change)**
2. Comment: “Need to label the figures and each continuation point by figure and connecting point”
   - **(agree to change)**
3. Comment: “I believe you need to show how it cycles back too”
   - **(disagree to change)**
   - **Reason:** After the PC has received the packet from the TNC, it has finished the Receiving process.
4. Comment: “Where does the process go after it gets here? This flowchart is incomplete”
   - **(agree to change)**

**C. Packet Formatting Flowchart**

1. Comment: “displays the process”
   - **(agree to change)**

- **Location:** “The following flowchart displays process for formatting a KISS packet into an HDLC packet.”

## E. Wiring Schematics

1. Comment: Please label all interconnections
   - **(disagree to change)**
   - **Reason:** A key with what each wire’s color represents in the wiring schematics in Figure D-6.