Standards

1. AFSPCMAN 21-710
2. CubeSat Design Specification CP-CDS-R14.1
3. LunaNet Interoperability Specification Document Version 4
4. SMC-S-016 Space and Missiles System Center Standard
5. MIL-STD-1540D Product Verification Requirements for Launch, Upper Stage, and Space Vehicles
6. International GNSS Service RINEX 3.04

Reasoning:

1.) Focuses on system safety requirements.
2.) The timecard is required to be stored within a 12U CubeSat. Therefore must be compliant with the environmental and form factor constraints of the CubeSat platform.
3.) The timecard and associated satellite (housing) must be compliant with the communication standards provided by LunaNet.
4.) Standards for software and firmware tests, pre launch verification.
5.) Important for the environmental and launch characteristics (vibration, launch risk mitigation).
6.) The timecard should be able to communicate through GNSS services. RINEX 3.04 includes the high accuracy Galileo system, among many other GNSS systems.

We will not apply for any grants related to these standards due to the time commitment required for these applications.The funding provided for this project should be sufficient for the work being done.