**NAME:** Casey Spencer

**TEAM: 75-3D Printer**

**MAIN RESPONSIBILITIES:**

**Please list the subsystems of your project by name and team member responsible and indicate if each was ready to be integrated into the system:**

|  |  |  |
| --- | --- | --- |
| **Subsystem Name** | **Team Member Name** | **Subsystem Ready for Integration?** |
| Chassis Design | JPB | No |
| Chassis Design | NBT | No |
| Control Software | DMO | No |
| Hardware Software Interface | NAL | Yes |
| Projector/Optics | CWB | No |
| Power/Motor Drives | CWS | Yes |
|  |  |  |

**Please list the results of the first system test:**

**We have not been able to perform a full system test. We have only been able to test the linear motion system. This system includes the motor drives and the software for our linear motion. Test shows the software is communicating properly with the hardware. The motors were tested through various accelerations and speeds to test for optimum performance. Optimum performance was observed at a speed of 240 mm/min and an acceleration of 20 mm/sec2.**

**Please list what you will test now because of these results:**

**We will begin testing subsystems when they are ready.**

**Please list which areas you will look to improve because of these results:**

**Approved by:**

**PM Signature: DATE:**

**FTA Signature: DATE:**

**Alternate Milestones if other than subsystem ready for first full-system integration test:**

|  |  |  |
| --- | --- | --- |
| **Subsystem Name** | **Team Member Name** | **Week-8 milestone expected** |
| Chassis | JPB |  |
| Chassis | NBT | Coupler Design Complete |
| Control Software | DMO | Slicr Integration |
| Hardware Software Interface | NAL |  |
| Projector/Optics | CWB |  |
| Power/Motor Drives | CWS |  |
|  |  |  |