

This will serve as an introduction to the Flight Readiness Report (FRR) that is due on March 19th (please send to Dan at hawkd_0212@menominee.edu). The First Nations Launch team is impressed with your progress thus far. However, some teams have experienced problems with the designated vendor for the FNL, Wildman Rocketry. If you are having problems with getting rocket equipment and supplies please try other vendors and let us know if you encounter any problems acquiring your materials. The main item that we will need from all launch teams in this report is a RockSim v.8 or v.9 file of your rocket. Please update all the other rocket criteria from the Critical Design Report (CDR) as you build your rocket for final flight on May 1st. Some of the most important FRR information is listed below:

1. What is your experiment? Why is it important? How is it turned on and off? How will you retrieve your data? Where is your experiment located in your rocket? (nose cone, airframe) Where is your altimeter bay located in relation to your payload bay?
2. What are the parameters of your rocket? (size, weight, speed, acceleration, center of gravity, center of pressure, size of the rail will you use, small or large launch buttons?)
3. What rocket motor will you be flying? (i.e. Aerotech K1000, Loki L1400)
4. What size parachutes will you be using? When do they deploy and at what altitude?
5. What are you using to protect your parachutes from getting burned during the black powder ignition deployment?
6. What tracking devices are you using if any? (audible alarm, tracking device)
7. As mentioned above, we will need a RockSim file for your rocket. If you have more than one rocket, please tell us which motor goes with what rocket.
8. Send us at least 3 photos for each rocket that will be flown in the competition. (1. boat tail view, 2. front view, 3. side view) The photos will help us identify possible safety and quality control concerns that need to be addressed prior to launch. If you have QC concerns please let us know. (i.e. weak friction fit, lose rail button backing, poor shock cord attachment, surface vice through the wall fin mount)

Summary: The FRR should tell us what we need to know to get your rocket on the launch pad, get it in the air, and get it down safe. We want to be sure you to have a SFM (safe flight mission). Some of the team members will be certifying Level 1 so we want them to succeed by having a SFM. Good luck to everyone on completing the FRR. Please continue to check the website at www.uwgb.edu/wsgc/fnl for any updates to the schedule before the launch weekend.

Thank you all for being apart of the First Nations Launch competition and we look forward to seeing your rocket's design.