



LAUNCH RULES & PROCEDURES North Branch, MN Launch Site

Welcome to Tripoli Minnesota. If you like smoke, flame, and big rockets, you've come to the right place! Most of the rockets flown at our launches fall into the large or high power class, however smaller model rockets also make an appearance. To launch, you must either be a dues paying member of the club, or pay a daily launch fee.

Exception – Children under the age of 18 may fly model rockets (1/4A – E impulse) without paying dues.

You must be a current member of TRA (Tripoli Rocketry Association) or NAR (National Association of Rocketry) to fly rockets with an H impulse or above.

Whether you are a seasoned rocketeer, novice, or a spectator we are thrilled that you are here.

In order to provide a safe, educational, and enjoyable event we all have to work together to follow a few simple rules.

LAUNCH RULES

- The Tripoli Safety code applies to this event. No smoking on the range or within 25 feet of motor prep areas. Consumption of alcohol is not allowed on the range.
- TRA/NAR membership and high power certification will be verified. If you are launching an H impulse motor or higher, please have your ID card available. Your credentials will be checked appropriate to the motor impulse being used.
- There is a daily launch fee of \$15 for non-Tripoli Minnesota members payable at the launch site. Tripoli Minnesota membership dues can be paid online, onsite, or at any of our winter meetings. Children under the age of 18 may fly model rockets (1/4A – E) for free at any commercial launch.
- Our launch site requires the use of biodegradable cellulose wadding. Tissue paper or toilet paper type wadding is not allowed. Cellulose wadding is available in the box on the front of the equipment trailer free of charge.
- A flight card must be filled out for each flight. Please fill in all known information.
- The Range Safety Officer (RSO) will perform a safety check prior to each flight of any rocket. You may be required to explain your rockets flight plan as part of this safety check.
- Launch rod/rail selection is up to you. Please select a rod of sufficient length and diameter to properly guide your rocket during initial boost. If you bring a different

rod or rail to a pad, please bring back the one that was changed. Do not leave launch rods or rails lying on the ground at the pad.

- When installing your igniter(s) please bring back and discard any igniter found in the clips. This will help keep our launch site clean.
- Please track your rocket during its flight. You alone are responsible for recovery of your rocket. If in doubt Rocket Hunter tracking transmitters are typically available to borrow for a given flight. Ask a club member, RSO or LCO (Launch Control Officer) for assistance.
- If your rocket lands in a crop field, only one person at a time will be allowed in the field to locate the rocket. Please walk parallel to the rows and be careful to avoid damaging the crops during search and recovery operations.
- Clean up your materials. If you find trash on the field please pick it up and throw it away. A waste bin is provided near the launch control desk.
- Rockets fascinate children. Please keep track of yours during this event. High power rockets are not toys and should be handled by adults or under close adult supervision. Children must be closely supervised while at club launches.

LAUNCH PROCEDURES

- Prep your rocket. Withhold installing igniter until the rocket is upright on the launch pad.
- Obtain and fill out an appropriate flight card. Cards are available at the launch control desk. The cards are color coded by motor impulse. Please have your card filled out prior to the safety inspection.
- Have your rocket inspected by the RSO at the launch control desk. After the inspection, you will be assigned a launch pad. Remember all rockets must be inspected prior to flight.
- Load your rocket on the pad when the range has been opened by the LCO. (See rules section pertaining to launch rod/rail use).
- Set your launch angle as required for safe flight and recovery. Should you have any questions or concerns please ask for help.
- Install the igniter(s) and check continuity at the pad relay box. Cleaning of the igniter clips is recommended to ensure good electrical contact. Good continuity is key to successful ignition.
- Do not forget to arm your electronics and verify operational status.
- Once the range is clear, the LCO will close the range.
- A description of the rocket, motor, ejection, and payload will be given via PA followed by a 5 count and launch.
- Have fun and enjoy the launch.

Remember if you have any questions concerning any of these rules please consult with the club Prefect, RSO, or LCO. We want your launch and recovery to be a safe, successful, and enjoyable experience. Club officials will be onsite to help.

Thank you for your cooperation.