



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! Rockets flown at our launches from small models to large (high power) capable of flying to 10s of thousands of feet. To launch, you must be a member of a national organization such as Tripoli Rocketry Association (TRA), National Association of Rocketry (NAR), or the Canadian Association of Rocketry (CAR) along with being either a dues paying member of the club, or pay a daily launch fee with the following exception: children under the age of 18 may fly model rockets (1/4A – G impulse) without paying dues.

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 Unified Safety Code](#) applies to this event. There is no smoking or vaping anywhere on the range or spectator/prepping area or within 25 feet of any high power rocket motors, motor reloading kits, or pyrotechnic modules-. Smoking or vaping will be allowed across the road from the flight and spectator/prepping area provided that there is no littering. Consumption of alcohol is not allowed on the range.
- In order to keep our launch field and landowner happy there is absolutely no littering. Clean up your trash. 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.
- TRA/NAR/CAR 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 18 years of age or over unless they are members of a collegiate rocket team 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 a bucket 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 pick up 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. A tracking device must be used for flights of 3,000 feet or more above ground level or lower at the discretion of the Prefect. 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. Note that rocket motor cases can damage farm equipment so every effort should be made to find your rocket(s) to prevent jeopardizing the club's use of the launch field.
- 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.
- Rockets fascinate children. Please keep track of yours during this event. 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. For high power rockets withhold installing the 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 by the LCO. 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.