The Heartland Organization of Rocketry



- I agree to follow all rules as outlined in the Tripoli Unified Safety Code.
- I agree that RSO on launch day has the final decision on all launch and launch operations, no exceptions.
- All fliers must be in good standing with current memberships with NAR or Tripoli Rocketry.
- I agree that all **certification** flights must meet **one** of the two following criteria:
  - 5:1 Thrust to Weight Ratio
  - 40 fps lift off speed with a 8' rail
- I agree that all flights (non certification) below 5:1 thrust to weight are subject to RSO approval.
- I agree that all high power rockets must have Center of Pressure documented and marked on rockets.
- I agree that all flights estimated to go above 2500' will have an electronic tracking device installed on the rocket.
  - THOR will have tracking devices to borrow
    - I agree that all borrowed tracking devices will be returned in good, working order or I will replace within 10 days of launch.
- I agree that I will make every attempt to recover my rocket (both above and below ground) and that non-recovery attempts are not acceptable.
- I agree that all motors "G" and above will use rail buttons.
- I understand that the club only provides 1/8" launch rods, 2020 (mini rail), 1010 and 1515 launch rails.
  - 3/16" rods are not provided
  - ¼" rods are not allowed
- I agree not to arm any altimeters or timers until my rocket is vertical on the launch pad, prior to installing the igniter.
- I agree not to install igniters in any rocket motors until my rocket is vertical on the launch pad. (excluding Estes blackpowder motors).
  - Exceptions need to be discussed with RSO for experimental or staging flights.

- **We fly at the pleasure of our landowners. I agree to be good stewards of all landowners, property and the community. Any variance from this, is subject to removal from the event, both current and future.**

Unified Safety Code

Name (Print):_____

Phone:_____

TRA/NAR Member Number:_____

Signature:

_____

T.H.O.R High Power Launch Safety Guidelines

-Welcome to the Heartland Organization of Rocketry's High Power Launch.

-The safety of our spectators and fliers is our top concern.

-Fliers 18 y/o and older must be current NAR or Tripoli members in order to participate in THOR launch activities.

-The launch is a managed by the launch director. The launch director is responsible for announcing flights, launching rockets, and managing access to the launch pads and the field.

-The launch director is assisted by the range safety officer whose job is to inspect all rockets to ensure they are safe to fly. Fly/No Fly decisions made by the range safety officer are final.

-Fire is always a danger at launches, everyone at the launch serves as a fire watcher. Please notify the launch director if you spot a fire. Fire fighting equipment is located by each launch pad area, launch table and a bulk sprayer in a vehicle. The first aid kit is in the club trailer.

-Fliers, when you are ready to launch, bring your rocket to the range safety officer for inspection and fill out a flight card. When your rocket passes inspection and the launch director gives you permission to go to the launch pad area, proceed to the launch pad and load your rocket on the pad. Do not insert your igniter or activate your rocket's electronics until your rocket is on the launch pad. In case of a misfire, or failed launch, wait one full minute and get permission from the launch director before approaching your rocket.

-When your rocket lands, wait for permission from the launch director to recover your rocket. Spectators please stay behind the check In table line, unless you are helping a flier recover a rocket. Please do not congregate around the check in table at any time. If your rocket lands on an electrical power line, do not attempt to recover your rocket. Never attempt to catch a rocket.

-Minors, under age 12 years must be accompanied by a licensed member in the launch pad area.

-Pay attention to the launch director who will announce flights and notify spectators about potentially hazardous "heads up" flights.

-Please drive carefully and maintain 10 mph speed when approaching the launch area.

Name (Print):_____

Phone:_____

TRA/NAR Member Number:_____

Signature:

_____

