



Range Safety Officers' Checklist



- _____ 1. Ensure that the area of the range is clear of any obstructions or bystanders.
- _____ 2. Ensure that the launcher is secure and sturdy so that it won't tip over during launch.
- _____ 3. Ensure that there are no metal or sharp objects on the rocket.
- _____ 4. Ensure that the rocket has passed pre-flight inspection by facilitator and is flight worthy.
- _____ 5. Record weather conditions and pre-flight data.
- _____ 6. All spectators and launch personnel are behind the range safety officer(s).
- _____ 7. Propulsion engineers have added appropriate fuel mixture to the rocket.
- _____ 8. Launch plug is secure in rocket nozzle.
- _____ 9. Rocket is positioned on launcher.
- _____ 10. Restraining bar on launcher is securely in place.
- _____ 11. Safety pin is inserted into restraining bar.
- _____ 12. Launch cord is securely attached to restraining bar.
- _____ 13. Launch cord is lying unobstructed on the ground clear of all bystanders.
- _____ 14. The launch zone is secure and under supervision of the range safety officer(s).
- _____ 15. All spectators are at least 20 feet from the launcher.
- _____ 16. All launch personnel within 20 feet of launcher are wearing safety goggles.
- _____ 17. Range is clear of bystanders and low-flying aircraft.
- _____ 18. Pressurize rocket and record pressure gauge reading.
- _____ 19. Verbally confirm that data recorders are in position and ready.
- _____ 20. Verbally confirm that timekeepers are ready.
- _____ 21. Final check that range is clear.
- _____ 22. Carefully remove safety pin from restraining bar.
- _____ 23. Countdown 5....4....3....2.....1....BLASTOFF!
- _____ 24. Confirm that rocket has safely left the launcher.
- _____ 25. Measure and record flight data.