# solid test 2

SRM Static Fire Checklist v1 · Started by Randi · 2026/11/10 04:12

| PROGRESS | NOTES | EXPORTED |
|---|---|---|
| **0 / 39** | **0** | 2026/11/12 10:59 |

Snowdon Consulting · Solid rocket motor testing. Matches the SRM Hazard Mitigation Plan and Emergency Response Plan (checklist version 6 Nov 2026).

Every box must be ticked before firing. Save the record as a PDF and post it in the Health & Safety chat, once before firing and once after the test. The RSO keeps final go/no-go.

## 1. Test details

- [ ] Test date recorded
- [ ] Test report no. recorded
  e.g. PTR-012
- [ ] Test site / stand recorded
  Field name or address.
- [ ] Motor / grain no. recorded
  Batch and grain #.
- [ ] Range Safety Officer named
- [ ] Checklist completer named

## 2. Pre-test go/no-go

### Site and weather

- [ ] FENZ fire season checked (checkitsalright.nz); permit held if required
- [ ] Wind within limits (≤ 20 km/h) and not blowing toward trees
- [ ] Firebreak cleared evenly all round the stand
- [ ] Grass wetted with the ute tank and pump; ute parked upwind, pump primed
- [ ] Nothing overhanging the stand (branches, wires)

### Stand and enclosure

- [ ] Enclosure inspected: no cracks or loose fasteners; top and bottom vents clear
- [ ] Motor restraint and ground anchors checked
- [ ] Blast plate / deflector in place over sand or gravel bed

### Equipment and people

- [ ] Extinguishers, beaters, water and first aid kit at the firing point
- [ ] Phone signal confirmed; 111 caller and site address / GPS assigned
- [ ] All roles filled and briefed

- [ ] RSO
- [ ] Test Conductor
- [ ] 2 × Fire Watch
- [ ] First Aider
- [ ] Marshal

- [ ] Everyone behind the safety line; spectators and animals clear
- [ ] Hearing and eye protection on

### Firing system

- [ ] Firing system safe; key held by the RSO
- [ ] Igniter installed last, phones off near the pad
- [ ] Continuity checked from the safety line

### Record

- [ ] Pre-test record saved as PDF
- [ ] Pre-test record posted in the Health & Safety chat

## 3. Fire

> HOLD · DO NOT ARM until the pre-test checklist is complete and the record is posted to the H&S chat. The RSO gives the final go. If anything changes on the range, call HOLD.

- [ ] RSO final go given

## 4. Post-test

- [ ] Outcome recorded
  Nominal burn · Anomaly (no CATO) · Misfire / hang-fire · CATO · Aborted before firing
- [ ] Motor burned out, or hang-fire wait (min. 5 min) observed; key out before approach
- [ ] Area swept for spot fires and fragments
- [ ] Burnt ground and firebreak wetted down
- [ ] Fire Watch kept for 30 minutes after the last firing
- [ ] Hardware made safe; unused motors and igniters stored separately
- [ ] Results and anomalies recorded in the Propellant Test Report (sections 8–9)

> For a CATO, misfire or anomaly: follow the Emergency Response Plan (E1 for CATO, E5 for misfire) and log it in Test Report section 9.

### Record

- [ ] Post-test record saved as PDF
- [ ] Post-test record posted in the Health & Safety chat

## Activity

Nothing ticked yet.