ZEROING CHECKLIST

Range procedure, in order. Tick with a pencil and keep the sheet - the bottom half is the record of what you zeroed.

Three rounds, not one. A single shot tells you where that shot went; a group tells you where the gun shoots, and the offset you are about to dial is the offset of the group centre.

- [ ] Verify ammunition matches your zero load
- [ ] Set target at zeroing distance (25 m pistol / 100 m rifle)
- [ ] Confirm stable shooting position (bench rest preferred)
- [ ] Fire 3-round group - note point of impact
- [ ] Measure group centre offset from point of aim
- [ ] Calculate adjustment:
  - MOA: offset (cm) / distance (m) x 3.438
  - MIL: offset (cm) / distance (m) x 10
- [ ] Dial turrets (count clicks, note direction)
- [ ] Fire 3-round confirmation group
- [ ] If centred: fire 5-round group to confirm
- [ ] Record zero data on DOPE card
- [ ] Note conditions: date, temp, wind, altitude

MY ZERO

Weapon	Optic	Load	Distance	Clicks from factory

Date	Temperature	Altitude	Notes

The two formulas are the small-angle conversions: 1 MOA subtends 2.908 cm at 100 m, so centimetres of offset over metres of distance times 3.438 is minutes; 1 MIL subtends 10 cm at 100 m, which is where the 10 comes from. Both assume the offset is measured at the target, and neither knows what one click on your turret is worth - that is on the turret, and it is what the "clicks from factory" column is for. Nothing on this sheet is a dimension, so it carries no calibration bar: print it at whatever size is comfortable to write on.

NOTES - groups, clicks dialled, anything that changed between strings

Scan for more targets