

Use this checklist to verify camera positions, mounting, calibration, and compliance for tipper lorries and tipper grabs. Complete on each vehicle before FORS audit or CLOCS site access.

1. Standard Camera Positions (All Tippers)

- ☐ Forward-facing camera — cab-roof or front-bumper mount
- ☐ Nearside camera — wing or cab side mount with in-cab display
Required FORS Silver
- ☐ Offside camera — offside blind zone coverage
- ☐ Cab interior (driver-facing) camera
- ☐ MOIS front detection system — mandatory FORS Silver v7 from Jan 2025

2. Rear Camera — Chassis Mounting (Critical)

- ☐ Rear camera mounted on chassis or fixed structural bracket — NOT on tipping body
- ☐ Camera maintains level rear view with body fully lowered
- ☐ Camera maintains level rear view with body fully raised (mid-tip)
- ☐ Guard bracket fitted to protect from tailgate wash-back and stone strike
- ☐ In-cab display shows clear reversing zone at all body positions

3. Tipper Grab — Additional Cameras

- ☐ Camera mounted on grab arm mechanism — covers claw zone during deployment
- ☐ Arm camera activates on in-cab display when grab function engaged
- ☐ Wide-angle cab-roof camera — covers overhead sweep arc during arm slew
- ☐ Grab working zone confirmed clear on camera before each deployment

4. Nearside Coverage — Cab-to-Body Gap

- ☐ Nearside camera covers zone alongside cab
- ☐ If chassis extension or sub-frame gap exists: second nearside camera at body leading edge
- ☐ No blind zone alongside vehicle at ground level during site operation

5. G-Sensor and Proximity Calibration

- ☐ G-sensor calibrated to exclude tipping cycle vibration and articulation
- ☐ Tipping cycle tested — no false events generated during body raise/lower
- ☐ Walk-test completed — calibration record documented
- ☐ Proximity sensor detection range adjusted for site environment (not road default)
Typical site range: 1.5–2m active zone
- ☐ Proximity sensor does not trigger from grab arm or body components
- ☐ Calibration repeated after any body modification or sensor remounting

6. Durability and Cabling

- ☐ All external cameras IP67 minimum
- ☐ Chassis-mounted rear camera and stone-strike zone cameras: IP69K
- ☐ Impact-resistant industrial-grade housings — not semi-professional spec
- ☐ All cable runs in protective conduit throughout — no unprotected sections
- ☐ Aviation-spec locking connectors at all connection points

7. FORS Silver / CLOCS v5 Compliance

- ☐ Nearside proximity sensor with audible alert fitted and operational
- ☐ Left-turn audible warning with night mute (23:30–07:00) fitted
- ☐ Reversing alarm fitted and operational
- ☐ DVS PSS fitted if vehicle >12t operating in Greater London
- ☐ FORS Silver certificate current — this vehicle registration included
- ☐ MDVR operational — footage retained minimum 30 days or per contract