

GPS Tracking System Specification Checklist

What to check when specifying real-time GPS tracking for your fleet

1. Platform and Connectivity

- ☐ Confirm device uses 4G LTE (not 3G) — 3G networks being decommissioned in UK
- ☐ Confirm offline data caching: device stores fixes locally when out of coverage
- ☐ Check position update interval — 10-second intervals for detailed route tracking
- ☐ Confirm mobile app access for out-of-hours incident response
- ☐ Verify platform uptime SLA and data retention policy

2. GPS Accuracy Requirements

- ☐ Open-sky accuracy: confirm 3-5 metre position accuracy specification
- ☐ Speed accuracy: confirm GPS-derived speed within 1-2 mph of actual
- ☐ Check how the device handles urban canyon environments (tall buildings)
- ☐ Test GPS record quality on your primary operating routes before full deployment
- ☐ Confirm timestamp accuracy — critical for incident evidence

3. Integration with MDVR and Camera

- ☐ GPS position stamps on all G-sensor events — confirm in platform
- ☐ Live view overlays GPS position, speed, and heading — confirm in platform
- ☐ Historical route playback available alongside camera footage
- ☐ Geofencing configured for key locations (depot, customer sites)
- ☐ Speed alerts configured against GPS-derived speed data

4. Evidence and Compliance

- ☐ GPS route record retained for minimum 28 days (GDPR compliance window)
- ☐ Confirm data export format for insurance and legal disclosure
- ☐ GPS speed data available for driver behaviour scoring
- ☐ Route data can be produced as a timestamped PDF or CSV for dispute resolution
- ☐ Confirm what happens to data if SIM is inactive or vehicle is sold