

Testing checklist: fleet and logistics tracking

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☐ 1. release smoke tests

Done when: On the release build, a test vehicle's position appears on the dispatcher map, the driver app shows today's route, a delivery photo uploads, and hours driven with the test vehicle appear in the driver's duty log.

Risks: lost-actions. Tool class: browser automation. Usually run by: QA engineer.

☐ 2. penetration testing

Done when: A tester holding one fleet's account and a list of device IDs cannot see another fleet's vehicles or send any command, including engine cut-off, to a tracker.

Risks: data-breach, user-harm, fraud-abuse. Tool class: proxy. Usually run by: external lab.

☐ 3. end-to-end functional tests

Done when: An immobilise command needs confirmation by a second named manager and is refused while the vehicle reports movement, and the driver's privacy switch stops position updates.

Risks: user-harm, regulatory-penalty. Tool class: browser automation. Usually run by: QA engineer.

☐ 4. security scanning

Done when: The scan of the dashboard, driver apps and device API shows no open high-severity finding and no hard-coded device password.

Risks: data-breach, fraud-abuse. Tool class: DAST scanner. Usually run by: security specialist.

☐ 5. compliance checks

Done when: A signed review shows the driver notice, the private-use switch and, where hours-of-service logs are offered, each log rule mapped to a screen in the driver app.

Risks: regulatory-penalty. Tool class: test management. Usually run by: product manager.

☐ 6. data integrity and migration testing

Done when: After an edit to a driver's duty log, the original entry is still retrievable, the edit shows who made it, and the driver is asked to accept or reject it.

Risks: data-corruption. Tool class: data validation. Usually run by: developer.

☐ 7. device and browser compatibility

Done when: Tracking, log sync and photo capture work on each tablet and phone model in the support list with battery saver on, and unplugging the tablet from the engine module raises a malfunction flag in the driver's log.

Risks: lost-actions. Tool class: device cloud. Usually run by: QA engineer.

☐ 8. offline and poor-network testing

Done when: Positions, duty-status changes and proof-of-delivery photos captured with no signal upload once and in order when coverage returns.

Risks: lost-actions. Tool class: proxy. Usually run by: QA engineer.