Firewood Collection & Transport

Sample Test Report

FICTIONAL DEMONSTRATION DATA

Sample version V1 · 10 October 2026

Purpose of this sample

This fictional example shows how agreed robot training and subsequent field testing can be clearly documented. It is neither a test certificate nor evidence of tests actually carried out.

1. Test task and conditions

Test task	Collect firewood logs from a marked pick-up area, transport them along a defined route and place them in a target box.
Test environment	Fictional private site · firm gravel path · slight incline · dry conditions · no public traffic area.
Transport route	18 m each way · marked turning area · target box 0.8 m × 0.8 m.
Safety framework	Observation by trained persons; emergency stop and manual interruption documented only as fictional test preconditions.

2. Robot system and training method

Robot model	R-Field One · fictional example model
Hardware configuration	Gripper module A2 · load sensors · front camera · no product approval implied.
Software configuration	FW 0.8.4-demo · navigation profile wood-transfer-02.
Training method	Step-by-step demonstration of gripping, carrying and placement; repetition with clear target markers.
Human assistance	Verbal cues and one manual position correction during training; no remote control during the fictional test runs evaluated here.

3. Fictional measurements and observations

Metric	Before training	After training	Interpretation
Success rate	4 of 12 (33%)	10 of 12 (83%)	The target box was reached and the load placed inside.
Time per successful run	4:42 min	2:31 min	From the start until the load is placed; fictional average.
Human interventions	7 of 12	1 of 12	Only interventions needed to keep the test running as intended.
Test load	2.0 kg firewood	2.0 kg firewood	Same fictional load before and after training.

Documented difficulties

Imprecise gripping of irregular logs; brief navigation stops at the turning point; one collision with a marker without personal injury. All details are fictional.

4. Assessment and next development steps

The sample figures indicate improvement after training. For a real manufacturer project, the test plan, risk review, data protection, responsibilities, stopping criteria and evaluation would all be agreed contractually in advance.

- Extend the gripping strategy to different log shapes.
- Test inclines, changing ground conditions and different visibility conditions separately.
- Capture, store and evaluate sensor and video data only within the agreed scope.
- Document endurance testing, software updates and repeatability in a separate follow-up report.