

A decision sheet.

An evidence trail.

DEMO-001 | Invented utility trailer | No VIN or owner identity | Example revision 0.5

One-page executive summary

Decision status	UNRESOLVED. No repair, roadworthiness certification or return-to-service approval.
Customer reported	Left rear marker lamp intermittently dims after rain. Report is invented for this example.
Observed	In the fictional stationary demonstration, the left marker dims while the right stays visibly steady.
Verified (example)	Arithmetic only: invented readings 12.5 V at the source and 10.8 V at the lamp differ by 1.7 V. This does not locate a fault.
Hypothesis	Resistance in the supply or return path may contribute. Moisture is a reported association, not a proven cause.
Not tested	Connector-specific contact assignment, dynamic load response, brake circuits, road test and post-repair validation.
Safety / next action	Do not treat this sample as permission to tow. A qualified technician should identify the exact connector and investigate supply and return paths under appropriate conditions.

Agreed scope in this example: document the complaint and one stationary observation. Component replacement and further testing require a separate agreement. Supporting record follows; no real measurements or scans are included.

What supports the summary?

All timestamps, values and record IDs below are invented. Units are shown to demonstrate documentation, not a diagnostic specification.

Record / time	Example record and limits
OBS-01 / T+00	CUSTOMER REPORTED: dim lamp after rain; frequency and duration unknown.
OBS-02 / T+05	OBSERVED: left marker dim relative to right, stationary. Conditions: 20 C example ambient; lamps on; no road test.
MEAS-01 / T+08	OBSERVED: source 12.5 V; lamp terminal pair 10.8 V; example handheld meter; calibration status NOT ESTABLISHED. Measurements are sequential, not synchronized.
CALC-01 / T+09	VERIFIED within invented dataset: $12.5 - 10.8 = 1.7$ V. Separate supply and return measurements are NOT TESTED.
PHOTO-01	NOT CAPTURED. No photograph is claimed. Real work would preserve an as-found overview and identified detail views with consent.
SCAN-01	NOT APPLICABLE to this invented lamp-only exercise. No DTC or freeze-frame record is fabricated.

Evidence labels

CUSTOMER REPORTED is an account; **OBSERVED** is recorded appearance or measurement; **VERIFIED** identifies a specific supported check; **HYPOTHESIS** is an explanation to test; **NOT TESTED** is an explicit gap.

Open questions stay visible.

Question	Next discriminating work (not performed)
Supply or return?	Identify the applicable manufacturer diagram and connector view; agree on a safe, loaded circuit test plan.
Repeatable after rain?	Record actual environmental conditions without deliberately introducing water or damage.
Is the lamp faulty?	Not established. A dim lamp alone does not justify replacing a particular component.
Repair outcome	NOT PERFORMED. Preserve before/after records and repeat relevant checks if a repair is later authorized.

Sources and custody

Source: ATD-authored fictional teaching scenario, 2026-10-23. No manufacturer specification, real customer record, OEM approval or actual test is claimed. A real packet would identify source documents, instrument settings, capture time, file names and custody.

Customer handoff

The customer keeps the summary and supporting record and can share it with another technician. The next technician must assess applicability and verify the vehicle independently. This sample demonstrates format, not an exhaustive test procedure.

Feedback

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