

WoundedWarriorPhones MCP Instructions

WoundedWarriorPhones - MCP instructions

Paste-ready instructions for Verae MCP (or any digests-only timestamping agent) to recreate the **Wounded Warrior Mobile / Trackit-Fax phone lifecycle** sample project.

Project folder: /Users/marchon/gitrepos/mine/kofalt/WoundedWarriorPhones

Public gallery: <https://trackit.verae.ai/>

Goal

Build a **Trackit-Fax** style sample for cell phones:

1. Seal each phone's identity as **SHA-256(IMEI)** once on Verae's global timestamp ledger.
2. Append **versioned JSON metadata** for every lifecycle state change (nothing overwritten).
3. Produce readable history reports (PDF) for one live lab phone, a **50-device fleet**, one deep-dive IMEI, and an executive summary.
4. Frame ~1/3 of the fleet as **Wounded Warrior Mobile (WWM)** nonprofit beneficiaries with free phone and/or free service, while still tracking **retail FMV** for tax-credit reporting.

Spelling in samples: **"Wounded Warrior Mobile"** (as given). Alias: **WWM**.

Product rules (must not violate)

- **Digests only.** Never upload IMEI plaintext, PDFs, or customer PII to the stamp API as file bytes. Hash locally; stamp the digest.
 - **One on-chain seal per digest.** Later history = append-only metadata versions under schema `verae.asset.phone.lifecycle/v1`.
 - Re-submitting an already-sealed digest for prove is **timestamp-readonly** / **\$0** for the seal path.
 - Event business times live in metadata `content.event_at`. Meta write times / timestamp IDs come from `meta_history`.
 - Prove/verify subjects: `verae.substrate.prove` / `verae.substrate.verify` (or MCP `stamp` / `verify` / `hash_report` with `want_scope=global` when available).
 - Prefer product hosts: `api.verae.ai`, `services.verae.ai`, `mcp.verae.ai`, `explorer.verae.ai`. Auth: **xVerae-** for commercial edge; MCP bearer for session tools.
-

Canonical lifecycle (six metadata versions)

In order:

1. `manufactured`
2. `shipped_to_distributor` (warehouse, e.g. DIST-LAX-03)
3. `sold_to_customer`
4. `activated`
5. `service_billed_prepaid` (e.g. monthly x 6)
6. `returned_for_recycling` (only when recycled; warehouse RECYCLE-MFG-OR-01)

Each version is JSON metadata appended to the same sealed digest.

MCP / agent workflow

A. Live lab phone (Report 1)

1. Choose demo IMEI 356938032484611 (VeraePhone A1) or mint a new synthetic IMEI.
2. Compute `digest = sha256(IMEI)` hex lowercase.
 - Known demo digest: `ee9a48571efbebb681587322b55e41f3603ca4e235f9d8036337c2d1e80957a1`
3. MCP **stamp** the digest (global / edge as configured). Capture `receipt_id`.
4. For each of the six lifecycle events, append metadata (schema `verae.asset.phone.lifecycle/v1`) with stage name, `event_at`, price fields, warehouse codes, customer TCO notes.
 - Lab pricing example: sold \$49.95; prepaid \$19.95 x 6 -> service \$119.70; TCO \$169.65.
5. MCP **verify** the receipt; optional **hash_report** for history.
6. Build PDF **IMEI-Lifecycle-Carfax.pdf** (or copy into this project) from sqlite/meta history + receipt.

Experiment path on ns1 (ops): `~/verae-perf-corpus/experiments/imei-lifecycle/` (`run_imei_carfax.py`, run id e.g. `run-20261020T082423Z`).

B. Fleet of 50 (Report 2)

1. Generate `fleet50-data.json` with 50 customers:
 - **17** nonprofit full free (phone + service)
 - **11** free phone only
 - **11** free service only
 - **11** standard paid
 - Recycled subset (e.g. **8**)
2. For each IMEI: seal digest once; append 5 or 6 lifecycle metadata versions (6 if recycled).
3. Track **retail phone value** even when charged \$0 (tax-credit FMV).
4. Emit **IMEI-Fleet-50-Carfax.pdf** with sections:
 - Customer summary (name, IMEI, phone cost, service term, monthly, TCO)
 - Non-profit tax-credit summary
 - Warehouse shipments (DIST-LAX-03)
 - Recycling (RECYCLE-MFG-OR-01)
 - IMEI register
 - Per-customer lifecycle detail
 - Retail price appendix (e.g. Oct 2026 unlocked refs)

5. Illustrative fleet stats used in samples: retail phone value ~\$38,782.77; TCO charged ~\$20,745.74; WWM tax-credit FMV ~\$15,315.62.

C. Single fleet deep-dive (Report 3)

1. Pick IMEI 359291081006720 (cust_050 Eden Miller / Apple iPhone 18 Pro Max / nonprofit_full).
2. Digest: a47c0ae3404760eb063f1349dc8bce762539ccaee925bdee55d107306a693329
3. Emit **IMEI-359291081006720-Carfax.pdf** + sidecar JSON: cover KV, on-chain receipt, billing/tax-credit table, timeline, per-version metadata, appendix receipt JSON.

D. Executive summary

Build **Verae-IMEI-Reports-Summary.pdf**:

cover -> executive summary -> **table of contents immediately after exec summary** -> tracking model -> stamp billing (rate card, types A-E) -> invoices (Report 1 Models A/B, Report 3, Fleet 50) -> cost summary -> catalog/comparison -> artifacts/disclaimer.

E. Optional media pack (this folder)

- Brochure PDF (4-page fold-out draft)
- Short product MP4s: PrintIt, PrintIt animation, MCP, API, desktop, hash movement
- Publish gallery at <https://trackit.verae.ai/>

Billing notes for the agent (illustrative)

Model	Idea	Example
A	Pay per lifecycle metadata write	Report 1 (6 events) 90 cr (\$0.90); Fleet ~3,870 cr (\$38.70) with recycles
B	Digests-only first seals	Fleet 50 seals 500 cr (\$5.00)
Reads	Carfax / history / verify	\$0

Rule of thumb: **pay when the chain writes**; history reads are free.

Commercial stamps: POST <https://services.verae.ai/v1/timestamp> with x-api-key: xVerae-... and digests-only body. MCP meters on the edge when VERAЕ_MCP_EDGE_URL is set.

Suggested MCP tool sequence (pseudo)

1. welcome / login # if no bearer
2. stamp # sha256 = SHA-256(IMEI), wait=true
3. (repeat metadata append path for each lifecycle stage - via API/meta ingest or project script
4. verify # receipt_id from stamp
5. hash_report # sha256, want_scope=global # optional history view

Do **not** paste bearer tokens into chat. Save to `~/.verae/mcp-bearer` or `~/.verae/xverae-token` (mode 0600). Prefer **xVerae** for commercial stamp when edge metering is on.

Deliverables checklist

- ☐ IMEI-Fleet-50-Carfax.pdf
- ☐ IMEI-359291081006720-Carfax.pdf
- ☐ Verae-IMEI-Reports-Summary.pdf
- ☐ Optional: live lab IMEI-Lifecycle-Carfax.pdf
- ☐ Optional: brochure + product MP4s
- ☐ Gallery: <https://trackit.verae.ai/>

One-block prompt (copy into MCP / Grok)

Create a Wounded Warrior Mobile (WWM) Trackit-Fax sample using Verae digests-only timestamping.

Rules: hash IMEI locally to SHA-256; stamp the digest once; append versioned JSON metadata for I

Produce: (1) one live lab phone report, (2) a 50-customer fleet PDF with ~1/3 nonprofit free pho

Related paths

Path	Role
/Users/marchon/gitrepos/mine/kofalt/WoundedWarriorPhones/	Project Phones/ report PDFs
/Users/marchon/app/drivetest/docs/imei-lifecycle/	Spoke/ report builders / video briefs
~/verae-perf-corpus/experiments/imei-lifecycle/	Live/ stamp experiment
on ns1	
https://trackit.verae.ai/	Public gallery
https://mcp.verae.ai	Verae Timestamping MCP
https://api.verae.ai/docs/swagger/index.html	Timestamping API docs

Regenerated for Trackit gallery - digests-only - Verae Global Timestamping