TYGART-OS FIELD RECEIPT · CEREBRAL VALLEY GALLERY #2243

The Fact-Gated Fleet: 4,415 Pages, 174 Recordings, and 102.50 USD Counted

Originally filed November 4, 2026 (Meta Global AI Developer Hackathon, Startup Track) · Archival & Post-Filing Receipt (November 28, 2026)

Direct Answer: Tygart Media did not win a prize in the Meta Global AI Developer Hackathon (filed Nov 4, 2026), yet the build shipped live across 4,415 pages on six sites, producing 2,769 candidates, 2,062 adjudicated fixes, 174 mined session recordings, 312 blind emblem round-trips, and 102.50 USD counted of a 153.31 USD envelope.

1. Separation of Duties: The Trio & Reverse-MCP Hopper

Running a single AI pass at fleet scale breaks facts quietly because the model invents plausible edits and grades its own homework. We split the pipeline across Meta Muse Spark 1.3 effort levels so proposing and approving never share one seat:

- **Scout (low effort):** Scans pages and recordings cheaply to surface suspect claims, thin metadata, and candidate product angles.
- **Fixer (medium effort):** Drafts concrete changes and routing decisions (~2.5 cents per recording at medium effort).
- **Adjudicator (max effort):** Verbatim quote gate that strikes anything missing from source records (struck an ungrounded cyber-extension phrase verbatim on a live hub page).
- **Hopper + 16-Field Tips (Reverse MCP):** Checked paste waits in a dumb intake box until shaped by per-destination tips and verified by STRONG or WEAK read-back.

2. Measured Ten-Day Build & Post-Filing Ledger

Workstream	Measured Output	Counted Cost / Rate	Verification Receipt
Fleet Sweep (6 Sites)	4,415 pages, 2,769 candidates, 2,062 fixes, 36 WOs	Standard Trio ~12 cents/page; Contrib ~0.25 cents	Site 02 (647) & Site 03 (1,415) sweep logs
Session Corpus Audit	174 recordings (100.3 h), 3,093 reads, 138,144 words	3.20 USD across 245 ASR calls	Read-file-first rule enforced at report 18
Blind Emblem Round-Trip	312 briefs -> 312 renders -> 312 blind vision reads	4.37 USD vision read (image gen unpriced)	312/312 structure, 99.7% palette, cobwebbed gauge
544-Call Red-Team Sweep	405 usable calls auditing 104 sampled claims + 90 Q&A	0.47 USD metered contributor pass	0/104 ABSENT; 90/90 Q&A verbatim grounded
Post-Filing Waves (Nov 5+)	28 live waves: 172 pages, 375 calls, 3.09M tokens	Free contributor credits (0 card charges)	Public repo log + 747-URL second front

3. What Broke First — And What We Filed to Meta

- **Max Alone Fails (Earth Launch vs. Moon Launch):** Sending a max-effort leg in cold without Scout and Fixer prep failed repeatedly; cheap early legs prepare the record so max effort can judge.
- **Accept-and-Silent-Drop Media Bugs:** Direct video and audio chat carriers returned HTTP 200 while reading a single frame or silence; audio worked 245/245 via POST /v1/asr/transcribe.
- **Reasoning Budget Exhaustion:** A 27,120-token sync max call spent 19,998 reasoning tokens and returned empty HTTP 200; switching to background mode solved it and warmed the prompt cache.
- **Dial & Cap Calibration (52 Follow-Up Calls):** Tested reasoning_effort (minimal through max) and discovered our own 8,000-token router cap blocked outputs past 15,000 tokens.

4. Live Field Test & Public Verification Links

On November 3, 2026, Jason Gilstrap granted personal TEST sandbox credentials to TruNorth Ops (field operations and T&M billing software with no public API). Mirror read-back matched 18/18 fields, a computed daily sheet matched 465.50 USD to the cent, a 9-input storm drill caught both planted break-tests (zero phantom jobs created on a dual-address caller; unmapped earthquake peril routed to Other), and three daily sheets totaling 3,902.50 USD stopped cleanly PENDING at the manager-signature gate.

- **Cerebral Valley Gallery #2243:** Submission Page and Markdown Twin
- **Public GitHub Repository:** TygartMedia/tygart-os-fact-gated-fleet (Evidence Index, Night Ledger, Router Design, Feedback to Meta, Waves)
- **Filed 3-Minute Demo Video:** YouTube 8xg3_UqEAPk (187.06 s flagship cut; 2:38 explainer ending on the verbatim strike + 30-second spot)
- **Canonical Essay & Companion Twin:** tygartmedia.com/the-fact-gated-fleet-meta-hackathon-receipt/