

ALAI 4-Team Restructure — Dispatch Flow, FORGE Routing, MEMORY.md Contract

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MC task: #101653

Status: documentation page for the MC #101640-#101654 restructure sweep

Last updated: 2026-05-21

Owner: John / Lexicon-Skillforge documentation lane

Executive summary

This page records the post-sweep operating contract after the 4-team restructure work around MC #101640-#101654.

The restructure is **not globally PASS**. The correct top-level validation posture is **PARTIAL/BLOCKED** until validator blockers are resolved. Several implementation lanes are ready for review, but LightRAG ingestion/query verification, prompt-cache WAL truncation, .bak cleanup policy, and pipeline-watcher side-effect decisions remain blocked or partial.

Current task-state snapshot

MC	Lane	Current result	Evidence / note
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#101640	FORGE dispatch wrapper	ready_for_review	forge-dispatch.js syntax/help/smoke checks passed; BookStack page live.
#101641	FORGE route gate	ready_for_review	verifier-class Opus block when FORGE healthy; FORGE-down fallback tested.
#101642	Tier A hook wiring	ready_for_review	five Tier A hooks wired in ~/.claude/settings.json; hooks reference updated.
#101643	GOTCHA + async auto-verify	ready_for_review	mc.js start creates H/BLOCKER GOTCHA stubs; auto-verify worker async smoke passed.
#101644	LightRAG ingest	blocked	upload accepted, but processing/query/entity verification remains unproven.
#101645	MEMORY.md compact index	ready_for_review	MEMORY.md reduced to compact index and size gate installed.
#101646	Mem0/HiveMind/Qdrant cleanup	blocked	ghost bookstack.db archived; canonical HiveMind and ADR-retained Qdrant/Mem0 snapshots require CEO/ops decision.
#101647	AutoCoder/durable consolidation	ready_for_review	AutoCoder UI plist archived; read-only durable observability merged.
#101648	Agent mapping cleanup	ready_for_review	unmapped active agent definitions reduced to zero; archives have SHA256 manifest.
#101649	Tools governance	blocked	manifest and safe archives done; broad stale cleanup blocked by active comms-agent/node_modules.
#101650	Hook consolidation	ready_for_review	PreToolUse killswitch matchers consolidated.
#101651	P3 housekeeping batch	blocked	safe patches done; blockers remain for WAL busy, .bak policy, Qdrant ADR retention, LightRAG label probe.

#101652	Global validation	blocked	honest validation report says global result is PARTIAL/BLOCKED, not PASS.
#101654	pipeline-watcher daemon	blocked	do not reload: archived daemon would mutate real invoice escalation state.

New dispatch flow

1. **Task enters MC** with priority and owner/company.
2. **H/BLOCKER tasks require GOTCHA context.** `mc.js start` now auto-generates a GOTCHA stub under `/tmp/gotcha-task-<id>.md` for H/BLOCKER work.
3. **Planning gate:** H/BLOCKER tasks follow `/prompt-forge <mc_id>` then `/mehanic` before dispatch/build. M/L trivial work can skip prompt-forge and go directly to Mehanik or local implementation.
4. **Routing:** verifier/reviewer/comparator-class work should route to FORGE local models when FORGE is healthy.
5. **Implementation:** builders may work directly for small safe patches, otherwise route through company workers.
6. **Validation:** claims must be backed by machine evidence. For user-facing/deploy work, browser/Playwright verification is required.
7. **Ready gate:** H/BLOCKER task readiness must go through `~/claude/hooks/mc-ready-gate.sh` with evidence JSON and actor identity. Direct `node ~/system/tools/mc.js ready <H task>` is a bypass attempt.
8. **Verifier lane:** validator verdicts must stay honest: use `PASS`, `PARTIAL`, or `BLOCKED`; never report global PASS while upstream blockers remain.

FORGE routing contract

- `~/system/tools/forge-dispatch.js` is the canonical wrapper for sending verifier/reviewer/comparator-class jobs to FORGE.
- `~/claude/hooks/forge-route-gate.sh` protects against unnecessary paid Opus use for verifier-class agents when FORGE is healthy.
- Expected behavior:
 - FORGE healthy + verifier/reviewer/comparator class → use FORGE/local model route.
 - FORGE unavailable → allow fallback, but record why and preserve evidence.
 - Non-verifier work → do not block solely because FORGE is healthy.
- Cost discipline remains active: ALAI revenue is zero; use local/free routes where they are fit for purpose.

Tier A hooks now active

The settings-level hook wiring activates previously orphaned Tier A protections:

- `evidence-contract-validator.sh`
- `git-author-guard.sh`
- `mc-ready-gate.sh`
- `pre-publish-claims-gate.sh`
- `zakon-30-direct-probe-gate.sh`

Operational rule: do not claim done/deployed/verified without direct machine evidence, and do not bypass the H/BLOCKER ready wrapper.

MEMORY.md new contract

`~/ .claude/projects/-Users-makinja/memory/MEMORY.md` is now a compact index, not a fact dump.

Rules:

- Keep MEMORY.md small; current guardrail is a 50-line index target.
- Put durable procedures/runbooks in BookStack/system docs.
- Put concrete searchable knowledge in LightRAG / discover.js / HiveMind as appropriate.
- Use `~/system/tools/discover.js memory "topic"` for deep memory lookup.
- `memory-size-gate.sh` blocks regressions back to large inline memory dumps.

LightRAG reality note

The canonical LightRAG runtime for Pi/Anvil is Azure direct: `http://20.240.61.67:9621`. Public `https://lightrag.alai.no` remains Cloudflare Access protected unless valid CF Access headers are configured.

Do not equate upload acceptance with successful graph extraction. MC #101644 remains blocked because uploaded docs were accepted but query/entity attribution was not proven.

pipeline-watcher safety note

Do **not** load or bootstrap `com.john.pipeline-watcher` until CEO/ops approves one of these paths:

1. restore production daemon and accept real invoice escalation side effects;
2. patch and verify safe mode/no-mutation behavior first; or

3. retire the daemon.

The preload inspection found real overdue invoice escalation side effects, so keeping the daemon blocked is intentional.

Documentation ownership

Skillforge/Lexicon owns this documentation lane. Documentation does not override MC state, validator evidence, ADRs, or CEO/ops approval gates.

Evidence sources

- `/tmp/101653-source-statuses.txt`
- `/tmp/101651-evidence/report.md`
- `/tmp/101652-validation/report.md`
- `/tmp/101640-evidence/` (where present)
- `/tmp/101641-evidence/` (where present)
- `/tmp/101642-evidence/` and `/tmp/101642-bookstack-doc-probe.txt`
- `/tmp/101643-evidence/`
- Mission Control task records #101640-#101654

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