

# Skill: task-postflight — Post-dispatch validation + learning loop

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**Skill path:** `~/.claude/skills/task-postflight/`

## Description

Closes the loop on H/BLOCKER MC tasks after specialist dispatch. Runs Proveo (Angie Jones) validation against MC acceptance criteria, detects anomalies, invokes `/learning-opportunity` if anomaly found (root cause + memory entry), and writes mc.js ready submission with evidence path.

**Trigger:** `/task-postflight <mc_id>`

**Use AFTER:** Specialist dispatch completes for any task that went through `/prompt-forge` or any H/BLOCKER task.

## Workflow

1. **Preconditions:** Verify MC task exists, status is `in_progress`, evidence dir exists (or flag MISSING)
2. **Proveo dispatch:** Spawn Angie Jones (Proveo) to validate against acceptance criteria
3. **Anomaly detection:** Parse Proveo report, classify failure type and severity

4. **Learning-opportunity:** Invoke learning loop on PARTIAL/FAIL verdicts (skip if PASS or known issue)
5. **Memory entry:** Write feedback file if learning-opportunity returns memory path
6. **MC ready:** Submit `mc.js ready` with evidence summary (or BLOCK on FULL\_FAILURE)
7. **Audit trail:** Append JSON line to `~/system/postflight-log.jsonl`

# Proveo Integration

Angie Jones (Proveo) validates against MC acceptance criteria. Expected output:

- **GLOBAL\_VERDICT:** PASS | FAIL | PARTIAL
- **per\_criterion:** List with verdict (PASS | FAIL | SKIP), evidence path, notes
- **anomalies:** List of issues found (empty if PASS)
- **evidence\_paths:** Files verified

Report written to: `/tmp/postflight-<mc_id>/proveo-report.md`

# Anomaly Classification

Verdict	Anomaly Class	Action
PASS (all criteria)	ANOMALY:NONE	Skip to mc.js ready
PASS (some SKIP)	ANOMALY:PARTIAL_COVERAGE	Learning-opportunity (LOW severity)
PARTIAL	ANOMALY:PARTIAL_FAILURE	Learning-opportunity (MEDIUM severity)
FAIL	ANOMALY:FULL_FAILURE	Learning-opportunity (HIGH severity) + BLOCK mc.js ready
Proveo timeout/error	SYNTHESIS:DEGRADED	Inline fallback check + escalate to John

# Learning-Opportunity Loop

Invoked when anomaly class is not NONE. Receives:

- Proveo report path
- Evidence directory
- Task context (title, MC ID, specialist)
- Forged prompt path (if available)

**Expected output:**

- Failure type (HALLUCINATION / PROCESS\_SKIP / WRONG\_OUTPUT / KNOWLEDGE\_GAP / REPEAT\_MISTAKE)
- Root cause layer (GOTCHA)
- Fix type (Hook / Tool / Rule / CLAUDE.md / Memory)
- Memory entry path (if memory fix applied)

**Skip learning-opportunity if:**

- Same anomaly tracked in MEMORY.md within last 7 days
- ANOMALY\_SEVERITY = LOW and first occurrence
- Known flaky test pattern

## Cost and Limits

- **Hard cap:** \$0.50 per invocation
- **Typical cost:** \$0.15 warm cache / \$0.40 cold
- **Breakdown:** Proveo dispatch (Sonnet) ~\$0.05-0.15 + learning-opportunity ~\$0.10-0.25
- **Timeout:** 90 seconds for Proveo report

## Failure Modes

Condition	Action
Proveo unavailable	SYNTHESIS:DEGRADED — inline fallback, flag in mc.js notes, escalate
Proveo timeout	Same as unavailable
learning-opportunity fails	Log LEARNING:FAILED, skip memory entry, continue with warning
MEMORY.md write fails	Log error, skip index update, include content inline in mc.js notes
ANOMALY:FULL_FAILURE	Block mc.js ready, write failure-summary.md, report re-dispatch required

## Audit Trail

Every invocation appends one JSON line to `~/system/postflight-log.jsonl`:

```

{"mc_id":9959,"timestamp":"2026-04-28T12:12:00Z","proveo_verdict":"PASS","anomaly_class":"NONE",

```

Log is lightweight observability — does NOT replace evidence files.

# v0.1 Deferred (post-Akershus 2026-05-04)

- Telemetry: latency p50/p95 per section
- BFPR tracking dashboard: correlate anomaly rate with prompt-forge usage
- Automated regression detection: compare to previous same-specialist tasks
- Slack alerting on ANOMALY:FULL\_FAILURE or SYNTHESIS:DEGRADED
- cost-tracker.js integration

## References

- **Local SKILL.md:** `~/ .claude/skills/task-postflight/SKILL.md`
- **Proveo brief:** `~/ .claude/skills/task-postflight/references/proveo-brief.md`
- **Learning loop:** `~/ .claude/skills/task-postflight/references/learning-loop.md`
- **Mirror pattern:** `~/ .claude/skills/prompt-forge/SKILL.md`
- **Related:** ZAKON #25 (john-operating-system.md line 77)

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