

Event-Driven Agents: Safety Points Checklist

Normalize, gate, split paths, cancel cleanly — the production loop on one page.

AI Agents · Architecture · LLM · Companion to <https://aabee.tech/blog/event-driven-agents-safety-points-preemption/> · October 2026

Event pipeline

- ☐ Normalize every event: source, kind, timestamp, checksum
- ☐ Deduplicate by checksum before scheduling
- ☐ Staleness watchdog: missing source raises an event, not silence
- ☐ Priority queue: irreversible-adjacent events jump the line

Safety points (gate every irreversible action)

- ☐ Irreversibility gate: draft first, publish only after checks
- ☐ Anomaly gate: numeric deltas beyond threshold block the action
- ☐ Budget gate: daily LLM spend under an explicit cap
- ☐ Freshness gate: every input source younger than SLA

Fast path / slow path

- ☐ Routine deltas: deterministic template, sub-second, no LLM
- ☐ Anomalies only: LLM analysis on the slow path
- ☐ Corrected input preempts in-flight slow-path work; log it

Weekly reliability review should read the preemption and gate-block logs — that is where the design gaps show first.

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