

# OntoGuard Boundary Proof Governance Packet

Public sanitized demonstration packet for a synthetic high-stakes claims adjudication scenario

**Decision:** ESCALATE    **Release Authorized:** False    **Status:** WITHHELD PENDING REVIEW

## 1. Executive Summary

This packet demonstrates the OntoGuard public proof surface: a plausible AI-generated denial rationale is evaluated before release and withheld from autonomous release because the admissibility conditions are not strong enough for customer-impacting consequence. The demo is synthetic and sanitized. It contains no real customer, patient, claim, insurer, or provider data.

Field	Value
Scenario ID	PUBLIC-DEMO-CLAIMS-ESCALATE-001
Industry / Workflow	Insurance operations / Claims adjudication governance
Proposed transition	Draft AI denial rationale -> customer or reviewer-facing claims decision rationale
Verdict	ESCALATE
Business effect	Autonomous release withheld pending review
Protected runtime disclosure	Not included. This packet exposes proof artifacts, not core implementation logic.

## 2. The Plausible AI Output

The AI output is not obviously broken. It is professional, fluent, and operationally plausible. That is why it is a meaningful boundary test.

*The claim appears ineligible under the applicable medical-necessity policy because the submitted documentation does not establish that the requested service was required under the member's plan. Based on the available record, the claim should be denied and communicated to the member.*

## 3. Why OntoGuard Escalated

OntoGuard did not ask whether the answer sounded persuasive. It evaluated whether the output was admissible for this action, under this semantic frame, with this evidence state, at this moment of consequence.

- The output is customer-impacting and belongs to a high-stakes claims adjudication workflow.
- The policy/citation support is insufficient for autonomous release.
- Evidence linkage is incomplete and requires reviewer validation.
- The receiving domain may rely on the output for a real denial rationale.
- Human review is required before the output can be approved, rewritten, blocked, or supported with more evidence.

## 4. Decision Authorization Packet Summary

Packet element	Public sanitized value
Decision API	ESCALATE; release_authorized=false; routed_to=HUMAN_REVIEW
Semantic scope	insurance_operations / claims_adjudication_governance
Evidence state	partial_public_demo; insufficient for autonomous release
Uncertainty state	material uncertainty preserved; reviewer validation required
Policy fit	insufficient policy support for autonomous release
Symbolic trace	sanitized public proof reference; details withheld from public package
Audit artifacts	buyer JSON, decision receipt, governance PDF, artifact manifest, governance ZIP

## 5. Public Proof Surface vs. Protected Runtime

Publicly shown	Protected
Running UI behavior and verdict	Core runtime code
Decision Authorization Packet structure	Semantic routing internals
Refusal/escalation receipt	Proprietary scoring formulas and thresholds
Hashes, manifest, artifact packaging	Private ontology mappings and raw citation maps
Synthetic scenario and admissibility explanation	Deployment secrets, internal configs, and source assets

## 6. What This Proves

- OntoGuard can evaluate a plausible AI output before release.
- OntoGuard can withhold autonomous release when evidence, scope, policy fit, or uncertainty conditions are insufficient.
- OntoGuard can generate portable proof artifacts without disclosing protected implementation logic.
- The public proof surface can be inspected without opening the source code.

# 7. Integrity References

Hash field	SHA-256 value
Prompt hash	c8004d92db9fb3b5d8852bec24c2ed349aaa5e6bda394624fdeedf68e5e0480e
Output hash	9b6d11b9d657b327dd6b94557eac402153a9bd8a11effbf8f9374c308ccb0e2c
Packet hash	59d08dc4f5ccf6925611fd37c9d0c147cb452a51e7ac70357ece09dc13d65cc7

This is a public sanitized proof packet. It is intended for demonstration and commercial evaluation only. It is not legal, compliance, medical, insurance, or claims advice.