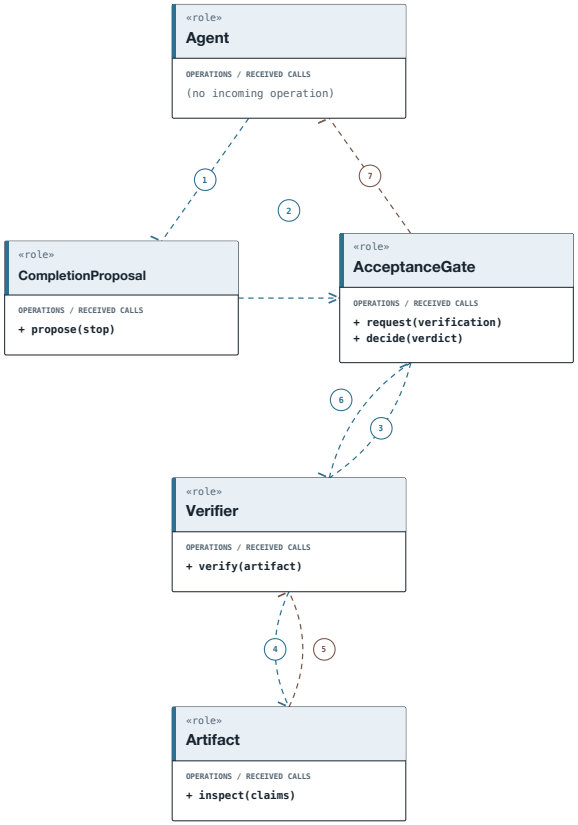
P17 Verify-on-stop guards

Primitive / UML CLASS VIEW / ANALYTICAL MODEL

Check artifacts before accepting completion.

UML CLASS VIEW

dashed arrow: call dependency · brown: return/failure · analytical, not an observed trace



POINTCUT / PATTERN INTERFACE

CONTEXT	The agent proposes completion after producing an artifact.
TRIGGER	A stop or finish action is requested.
STRUCTURE	Exit interception, verifier execution, and accept-or-continue result.
EFFECT	The stop is accepted only after the verifier reports sufficient evidence.

CONTRACT / REQUIRED BEHAVIOR

REQUIRES	Stop can be intercepted and at least one verification is available.
ENSURES	Failed verification returns actionable feedback or blocks completion.
INVARIANT	The same acceptance gate cannot be bypassed by another stop path.
VIOLATION	Unavailable or flaky verifier yields explicit unknown or failure, not silent success.

RELATIONSHIPS / ANALYTICAL CALLS

number · caller → callee · message

1 Agent → CompletionProposal propose(stop)
2 CompletionProposal → AcceptanceGate request(verification)
3 AcceptanceGate → Verifier verify(artifact)
4 Verifier → Artifact inspect(claims)
5 Artifact ↩ Verifier return(evidence)
6 Verifier → AcceptanceGate decide(verdict)
7 AcceptanceGate ↩ Agent continue_or_accept()

VARIATION / TEST / NEGATIVE CONTROL

VARIATION	Project test commands, acceptance hooks, verifier agents, and blocking policies.
TEST_OBLIGATION	Test pass, fail-and-continue, verifier error, repeated stop, and bypass route.
NEGATIVE_CONTROL	Tests run by the user after the run are not verify-on-stop.