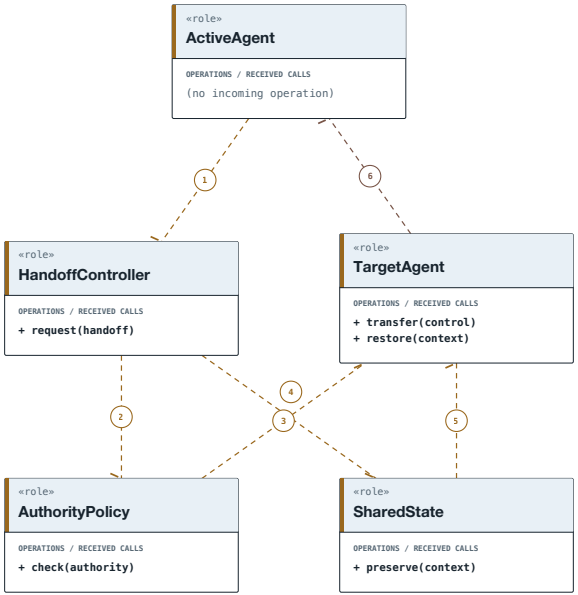
W07 Decentralized handoffs

Workflow / UML CLASS VIEW / ANALYTICAL MODEL

Transfer control to another specialized agent.

UML CLASS VIEW

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



POINTCUT / PATTERN INTERFACE

CONTEXT	Multiple peer agents can transfer control.
TRIGGER	The active agent invokes a handoff target.
STRUCTURE	Control-transfer envelope, state policy, target criteria, and authority boundary.
EFFECT	The target becomes active with declared history and no implicit privilege expansion.

CONTRACT / REQUIRED BEHAVIOR

REQUIRES	Target identity and transfer trigger are explicit.
ENSURES	Handoff records source, target, and transferred state.
INVARIANT	Control cannot cycle indefinitely or return to an invalid target.
VIOLATION	Unknown targets, disabled handoffs, and loops have defined outcomes.

RELATIONSHIPS / ANALYTICAL CALLS

number · caller → callee · message

1 ActiveAgent → HandoffController request(handoff)
2 HandoffController → AuthorityPolicy check(authority)
3 AuthorityPolicy → TargetAgent transfer(control)
4 HandoffController → SharedState preserve(context)
5 SharedState → TargetAgent restore(context)
6 TargetAgent ↩ ActiveAgent return(failure)

VARIATION / TEST / NEGATIVE CONTROL

VARIATION	History filters, target criteria, enable predicates, and cycle controls.
TEST_OBLIGATION	Test transfer, filtered history, disabled target, cycle, and authority.
NEGATIVE_CONTROL	A normal function call that returns to the caller is not a handoff.