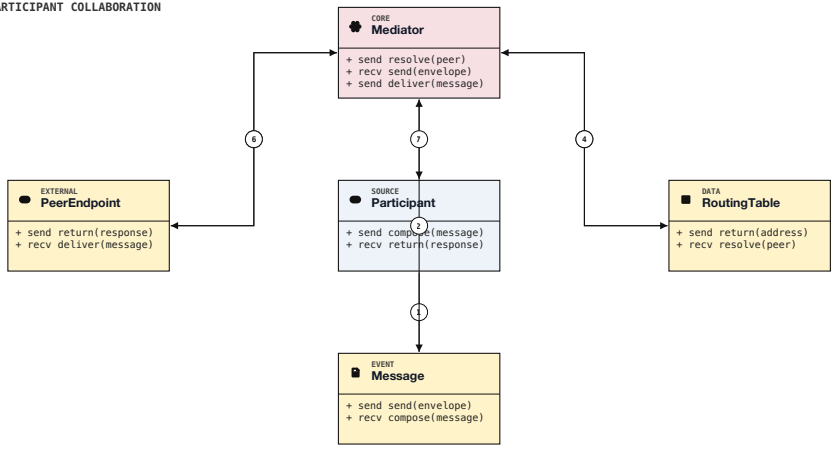
C01 Mediator

Communication · A² A1 · hub role collaboration

Coordinate interactions through an intermediary.

STRUCTURE · PARTICIPANT COLLABORATION



PATTERN INTERFACE

context
Multiple agents or components exchange messages.

trigger
A participant sends a message or requests coordination.

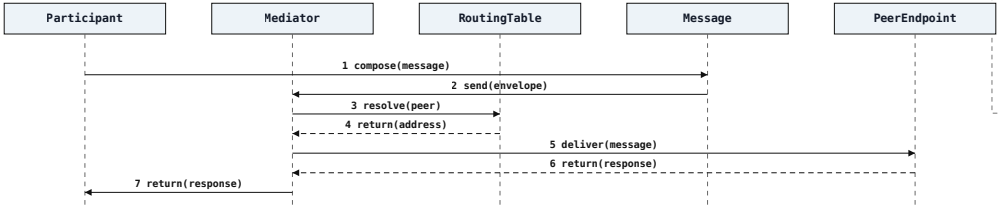
structure
Mediator role, participant address, routing policy, and response path.

effect
Interactions traverse a controlled intermediary rather than direct mutable coupling.

CONTRACT ANNOTATIONS

requires	Participants have stable identities and message schemas.
ensures	The mediator records routing and returns a response or explicit non-delivery.
invariant	Participant bypass does not silently alter mediated ordering.
violation	Mediator failure, invalid participant, or unavailable target is explicit.

INTERACTION



MESSAGE TRACE `1 compose(message) → 2 send(envelope) → 3 resolve(peer) → 4 return(address) → 5 deliver(message) → 6 return(response) → 7 return(response)`

Evidence: 5/41 repositories, 5/36 families; 5 trajectories (4 multi-checkpoint); exact audit: not sampled.

Variation: Group-chat manager, coordinator interface, and message mediator.

Negative control: A shared global object is not necessarily a mediator.