

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA Propose Interaction Protocol Specification

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1 FIPA Propose Interaction Protocol

In the FIPA Propose Interaction Protocol (IP), an initiator agent proposes to the receiving agents that the initiator will do the actions described in the *proposed* communicative act (see [FIPA00051]) when the receiving agents accept this proposal. Completion of this IP with an *accept-proposal* act (see [FIPA00039]) would typically be followed by the performance of the proposed action and then the return of a status response.

The representation of this IP is given in *Figure 1*.

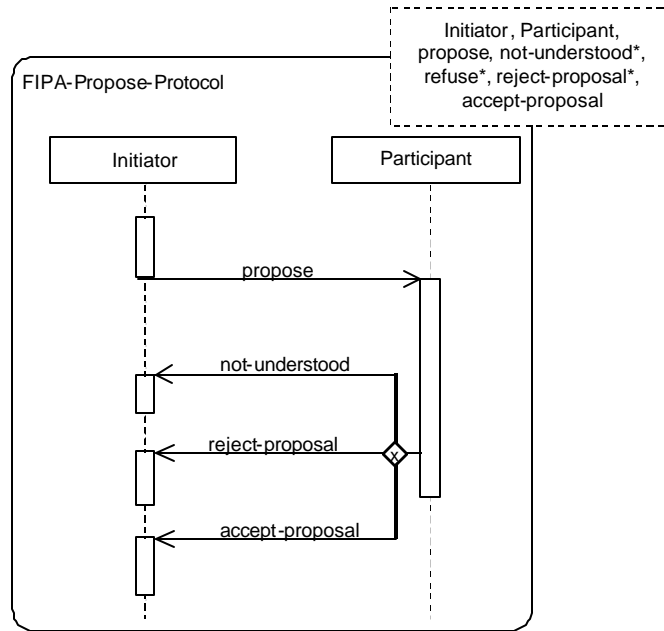


Figure 1: FIPA Propose Interaction Protocol

1.1 Exceptions to Interaction Protocol Flow

This IP is a pattern for a simple interaction type. Elaboration on this pattern will almost certainly be necessary in order to specify all cases that might occur in an actual agent interaction. Real world issues of cancelling actions, asynchrony, abnormal or unexpected IP termination, nested IPs, and the like, are explicitly not addressed here.

2 References

- [FIPA00039] FIPA Accept Proposal Communicative Act Specification. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00039/>
- [FIPA00051] FIPA Propose Communicative Act Specification. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00051/>