

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA Propose Interaction Protocol Specification

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32 of specification may be found in the FIPA Procedures for Technical Work. A complete overview of the FIPA
33 specifications and their current status may be found in the FIPA List of Specifications. A list of terms and abbreviations
34 used in the FIPA specifications may be found in the FIPA Glossary.

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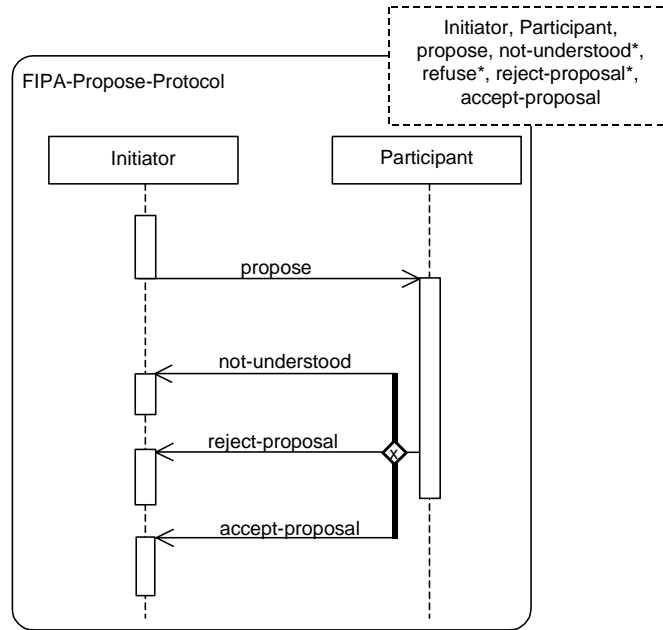
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42 **1 FIPA Propose Interaction Protocol**

43 In the FIPA Propose Interaction Protocol (IP), an initiator agent proposes to the receiving agents that the initiator will do
44 the actions described in the *proposed* communicative act (see [FIPA00037]) when the receiving agents accept this
45 proposal. Completion of this IP with an *accept-proposal* act (see [FIPA00037]) would typically be followed by the
46 performance of the proposed action and then the return of a status response.
47

48 The representation of this IP is given in *Figure 1*.
49



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51
52 **Figure 1: FIPA Propose Interaction Protocol**
53

54 **1.1 Exceptions to Interaction Protocol Flow**

55 This IP is a pattern for a simple interaction type. Elaboration on this pattern will almost certainly be necessary in order to
56 specify all cases that might occur in an actual agent interaction. Real world issues of cancelling actions, asynchrony,
57 abnormal or unexpected IP termination, nested IPs, and the like, are explicitly not addressed here.
58
59

59 **2 References**

- 60 [FIPA00037] FIPA Communicative Act Library Specification. Foundation for Intelligent Physical Agents, 2000.
61 <http://www.fipa.org/specs/fipa00037/>