

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA Agent Message Transport Envelope Representation Library Specification

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18 **Foreword**

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20 industry of intelligent agents by openly developing specifications supporting interoperability among agents and agent-
21 based applications. This occurs through open collaboration among its member organizations, which are companies and
22 universities that are active in the field of agents. FIPA makes the results of its activities available to all interested parties
23 and intends to contribute its results to the appropriate formal standards bodies.

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

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35 represented 17 countries worldwide. Further information about FIPA as an organization, membership information, FIPA
36 specifications and upcoming meetings may be found at <http://www.fipa.org/>.

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41 **1 Scope**

42 This document is part of the FIPA specifications and deals with message transportation between inter-operating agents.

43 This document also forms part of the FIPA Agent Management Specification [FIPA00023] and contains specifications
44 for:

45

46 Different syntactic representations of the message envelope (see [FIPA00067]).

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47 **2 Envelope Representations**

48 Message transport information used [FIPA00067] is expressed in a message envelope that wraps any FIPA message
49 sent over the Message Transport Service. The FIPA defined representations are given in *Table 1*.
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Representation Name	Description	Specification
fipa.mts.env.rep.string.std	A string based representation of the envelope based on the representation used for SMTP headers.	See [FIPA00073]

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52
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Table 1: Envelope Representations

53 **3 References**

- 54 [FIPA00023] FIPA Agent Management Specification. Foundation for Intelligent Physical Agents, 2000.
55 <http://www.fipa.org/specs/fipa00023/>
- 56 [FIPA00067] FIPA Agent Message Transport Service Specification. Foundation for Intelligent Physical Agents, 2000.
57 <http://www.fipa.org/specs/fipa00067/>
- 58 [FIPA00073] FIPA Agent Message Transport Envelope Representation in String Specification. Foundation for
59 Intelligent Physical Agents, 2000.
60 <http://www.fipa.org/specs/fipa00073/>