

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA Agent Message Transport Protocol for WAP Specification

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19 **Foreword**

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

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31 specification can be either Preliminary, Experimental, Standard, Deprecated or Obsolete. More detail about the process
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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36 represented 17 countries worldwide. Further information about FIPA as an organization, membership information, FIPA
37 specifications and upcoming meetings may be found at <http://www.fipa.org/>.

38 **Contents**

39	1	Scope	1
40	2	Message Transport Protocol for WAP	2
41	2.1	Component Name.....	2
42	2.2	Syntax.....	2
43	3	References.....	3
44			

44 **1 Scope**

45 This document is part of the FIPA specifications and deals with message transportation between inter-operating agents.
46 This document also forms part of the FIPA Agent Management Specification [FIPA00023] and contains specifications
47 for:

48
49 The transportation of messages between agents using Wireless Application Protocol (WAP - see [WAP99]).
50

51

51 **2 Message Transport Protocol for WAP**

52 This MTP is based on WAP which represents the entire agent message (including the message envelope) in a WAP
53 message. Once the message has been received, the message envelope is parsed by the ACC and the message is
54 handled according to the instructions and information given in the message envelope.

55
56 The following rules apply when using WAP:

57
58 The transport addresses given must be complete, for example, `wap://foo.com/acc` for a WAP phone or a
59 `http://bar.com/acc` for a WAP content server in a wireline network.

60
61 The WAP content type for any data transfer must be set to `x-application/fipa-message`.

62
63 The WAP specification defines two modes of interaction between wireless client devices and hosts in a wireline
64 network: through a WAP gateway and to a WAP server. The specification of this MTP does not distinguish between
65 these. However, it should be noted that these two modes lead to different combinations of interfaces for the wireless
66 and wireline environment hosts.

67
68 Supporting information about the management of wireless communication environments for agent communication can
69 be found in [FIPA00014].

70
71 **2.1 Component Name**

72 The name assigned to this component:

73
74 `fipa.mts.mtp.wap.std`

75
76 **2.2 Syntax**

77 The syntax used for the message envelope is that defined in [FIPA00085].

78

79

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3 References

- 80 [FIPA00014] FIPA Nomadic Application Support Specification. Foundation for Intelligent Physical Agents, 2000.
81 <http://www.fipa.org/specs/fipa00014/>
- 82 [FIPA00023] FIPA Agent Management Specification. Foundation for Intelligent Physical Agents, 2000.
83 <http://www.fipa.org/specs/fipa00023/>
- 84 [FIPA00067] FIPA Agent Message Transport Service Specification. Foundation for Intelligent Physical Agents, 2000.
85 <http://www.fipa.org/specs/fipa00067/>
- 86 [FIPA00085] FIPA Agent Message Transport Envelope Representation in XML Specification. Foundation for
87 Intelligent Physical Agents, 2000.
88 <http://www.fipa.org/specs/fipa00085/>
- 89 [WAP99] Wireless Application Protocol Specification Version 1.2. WAP Forum, 1999.
90 <http://www.wapforum.org/what/technical.htm>