

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA Agent Message Transport Protocol for WAP Specification

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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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37 specifications and upcoming meetings may be found at <http://www.fipa.org/>.

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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]).
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2 Message Transport Protocol for WAP

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

The following rules apply when using WAP:

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

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

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

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

2.1 Component Name

The name assigned to this component:

`fipa.mts.mtp.wap.std`

2.2 Syntax

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

3 References

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