

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA ACL Message Representation Library Specification

Document title	FIPA ACL Message Representation Library Specification		
Document number	OC00068C	Document source	FIPA Agent Management
Document status	Obsolete	Date of this status	2000/07/22
Supersedes	FIPA00024		
Contact	management@fipa.org		
Change history			
2000/07/22	Document made obsolete		

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Geneva, Switzerland

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1 Scope

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

- Different syntactic representations of ACL.

2 ACL Representations

ACL messages need to be encoded in a particular representation before they are transported by an ACC. The representation in use for a particular message is expressed in the `:acl-representation` parameter of the message envelope of that message. The FIPA defined representations are given in *Table 1*.

Representation Name	Description	Specification
<code>fipa.acl.rep.bit-efficient.std</code>	A bit-efficient representation of ACL.	See [FIPA00069]
<code>fipa.acl.rep.string.std</code>	A string based representation of ACL.	See [FIPA00070]
<code>fipa.acl.rep.xml.std</code>	An XML based representation of ACL.	See [FIPA00071]

Table 1: ACL Representations

3 References

- [FIPA00023] FIPA Agent Management Specification. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00023/>
- [FIPA00069] FIPA ACL Message Representation in Bit-Efficient Encoding. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00069/>
- [FIPA00070] FIPA ACL Message Representation in String Specification. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00070/>
- [FIPA00071] FIPA ACL Message Representation in XML Specification. Foundation for Intelligent Physical Agents, 2000.
<http://www.fipa.org/specs/fipa00071/>