

FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

FIPA ACL Message Representation Library Specification

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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
fipa.acl.rep.bitefficient.std	A bit-efficient representation of ACL.	See [FIPA00069]
fipa.acl.rep.string.std	A string based representation of ACL.	See [FIPA00070]
fipa.acl.rep.xml.std	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/>