

FIPA	98/07/17
FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS	Dublin
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Resolutions of Dublin meeting

1. FIPA notes the report of the Board of Directors concerning

- The decision to sponsor the journal "Media Ethics" at the cost of 1,000 USD to promote understanding of the impact of agents on society. Some papers from those presented at the Wednesday workshop will be published on that journal.
- Proposal to accept the resignation of Kazumasa Enami as a FIPA director because of his new job responsibilities with thanks for his contributions to bring FIPA to its current level of development. The Membership and Nomination Committee is asked to propose suitable candidates for appointment at the next meeting.
- Proposal to accept the offer of SIA - Società Italiana Avionica to manage a FIPA secretariat at the cost of 68,000,000 ITL (ca. 38,000 USD) per annum. The task of the secretariat will include management of members and membership, document, Web and FTP site and electronic mailing list.
- Setting of the membership fees for 1998-99 to 3,500 CHF as for the past.

2. Resolutions of Technical Committees

TC1

1) To issue the following draft specifications :

FIPA8714 : FIPA98 Part 10 : Security Management (v.0.2)

FIPA8715 : FIPA98 Part 11 : Agent Management Support for Mobility (v.0.5)

FIPA8711 : FIPA98 Part 01 : Agent Management (v.0.2)

FIPA8721 : FIPA97 Part 01 : Agent Management (v.1.3)

2) To agree to the following TC1 action points and workplan :

<i>ACTION</i>	Who	when
Agent Management		
1. Review document – comments	ALL TC1	NC
2. Device mobility section needs moving from FIPA97 and updating	Bernard & Jonathan	7/9/98
3. Security additions to Agent Management object descriptions need defining (see fipa8711		7/9/98
4. AMS section incorporate and update	Jonathan	7/9/98
5. DF section incorporate and update	Paul, Donnie	7/9/98
6. Incorporate agreed Revisions and restructuring from FIPA97 part 1 to FIPA8711 and issue revision for input to NC	Paul	5/10/98
7. ACL message envelope for ACC (sender, receiver, message) – encryption,	Frank	NC

authentication, etc.		
8. Determine policy for updating FIPA97 on subject of addressing and search in DF	Bernard	7/9/98
9. Agent naming proposal (to TC reflectors)	Jonathan, Donnie	
10. Use email reflector for discussions fipa.man@info.bt.co.uk	ALL	
Mobility		
1. Revise mobility specification : - Security issues - Add parameter for specifying communication-protocol	Bernard	NC
2. Produce input on : - Additions to AP and code profile - Identify implications of mobility on ACC,DF and AMS	Jonathan	NC
Security		
Revise the agent management security specification	ALL	NC

TC2

- TC2 appoints Clair Moore (KPN Research) as editor of Part 12 of FIPA98, in substitution of Wiet Bouma;
- TC2 appoints Alain Leger (France Telecom) as editor of Annex B - Guidelines to define a New Ontology- of its specifications and invite all FIPA members to send contributions;
- TC2 approves version 0.2 of Part 12 of FIPA 98 specifications;
 - TC2 requests TC10 to extend FIPA97 Part 2 to consider the ontology extensions. The document fipa8704 clarifies this need.
- TC2 requests TC10 to clarify a standard mechanism to transfer streams between agents. For this purpose, a proposal has been presented to TC10 by Thierry Bouron on behalf of TC2.
- TC2 believes that its specifications would benefit from including chapter 2 of OKBC document. It then requests to FIPA to check any legal issue (IPR/copyright) with the HPKB DARPA program.
- TC2 approves the following list of action points:

Review scenario 2 & 3	Francois and Thiang
Produce scenario 6 which shows the need for fetching & Storing an ontology	Suguri
Check final position with OKBC copyright issues and, based on that, review section 6.2 (Fipa-meta-ontology)	to be done at next Fipa meeting
Check if Fipa-Ontol-service-Ontology must be separate from Fipa-meta-ontology or not	discussion by e-mail chaired by Fabio
Naming ontologies	Peter, Jan, Charlie
Check if there is a need for the specifications of the two predicates ASSERTABLE and RETRACTABLE	discussion by e-mail chaired by Suguri
A lot of editing work needs still to be done to bring the document to	Clair

a well readable form	
Edit section “Responsibilities of the OA”	Suguri
Edit section “Interaction Protocol to agree on a shared ontology”	Yannis
Edit annex B “Guidelines to define a new ontology”	Alain with contribution from all members
Review Annex A “Reference Model for an Ontology”	discussion by e-mail chaired by Zhan Cui

TC 8

- Merge of User Model Representation Service (UMRS) and User Model Learning Service (UMLS) into User Personalization Service (UPS).
- Approval of focusing on two sections, User Dialog Management Service (UDMS) and UPS.

in UDMS section

- Adoption of the idea to define modality (I, O, and I/O mode) for a mandatory service description.
- Addition of two actions to control conversation between user and UDMS agent and definition of interaction protocol for user conversation.
- Definition of mandatory and optional parameters of actions.
- Adoption of the idea to request actions in stead of using ACL CA because of the necessity to distinguish UDMA and the user.
- Refined the specification of UDMS.

in UPS section

- Adoption of the commercially relevant term “personalization”: User Personalization Service (UPS)
- Adoption of several ideas of the P3P activity of the W3C.
- Partial integration of the comments and proposals of the KIMSAC project.
- Developed an open and flexible way of dealing with user profile content and structure.
- Agreed on the actions and protocols a UPS supports
- Many detail questions raised and (most of them) answered in a satisfactory way, resulting in a sound and overall consistent reference model.
- Refined the specification of the learning part of a UPA.

TC9

- The existence of this application specification continues to be of interest to current members, has already recruited new members, and is part of the decision process for possible new members.
- Its activity has proceeded at only half-speed or even third speed. This is problematic. However, a number of focusing items and intentions are resolved to address this as follows.
- Its primary agenda will be to explore FIPA98 (not include FIPA97 details). In particular Ontology and Human Interaction Learning Service have been made a primary focus of scenarios. Security is then the next most important specification to apply. Mobility should and can be included, after these other items are better established.

- Scenarios have been well identified. They will include new virtual enterprise member registration (ontology registration), buyer selection of vendor (Learning/Reputation Service), and design interest user profiling and notification (User Profiling, and Ontology-mediation between companies). Security within the cross-company firewall notification will be added. Agent mobility within this security framework will then be shown as an improvement.
- Rich source materials for most of these scenarios has been collected but not integrated into a new document.
- TC9 requests a few days work following Dublin to produce an updated document for public interest.

TC10

TC10 proposes that the Plenary accept:

- Version 0.3 of the FIPA 97 Developer's Guide (including the FIPA 97 FAQ).
- An update of the FIPA 97 Issue Tracker (html format)

TC10 invites FIPA members to:

- Read the Developer's Guide and **contribute** sections where appropriate
- Read the FIPA 97 FAQ and participate by answering (and asking) questions

TC10 proposes that the Plenary acknowledge the following actions:

- Very minor changes to FIPA 97 Parts 1 & 2, not to be made public until the next meeting (together with the resolution of bigger issues: addressing, DF Search, etc.).
- CSELT to make the Developer's Guide more visible on the FIPA Home page (not 'hidden' in with FIPA 97 or FIPA 98)
- "CSELT to add the FIPA 97 Issue Tracker form and 'Live Issues' document to the FIPA web pages.

4. FIPA approves the resolutions of the SIG

- Contracts within DARPA have been established and are very positive, DARPA will be one of the host for the next FIPA meeting in North Carolina.
- The AgentLink web site will be referenced to within the SIG home page. A reference to FIPA will also be included within the AgentLink pages.
- The issue of copyrights for the OKBC model will be addressed at the next meeting, as representatives from the OKBC will be present.
- Frank McCabe will be attending a ½ day workshop hosted by OMG to promote FIPA and agent mobility aspects.
- For the next FIPA meeting a concrete example of using XML within FIPA will be presented.

5. Five ad-hoc groups are established to discuss matters related to the FIPA 97 field trials, FIPA 98 and the SIG.

ahg#	Chair	email address for joining	reflector address
ahg1	P. O'Brien	Obrienpd@info.bt.co.uk	fipa.man@info.bt.co.uk
ahg2	F. Bellifemine	Fabio.bellifemine@cselt.it	fipa-onto@kim.cselt.it
ahg3	Y. Miyazaki	Wolfgang.Pohl@gmd.de	fipa-hai@gmd.de
ahg4		See FIPA web page	Fipa-developers@kim.cselt.it

ahg5	L. Bouma	l.g.bouma@research.kpn.com	fipa-sig-stand@kim.cselt.it
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Those interested to join an ad-hoc group should send an e-mail to the relevant chairman.

6. FIPA approves the Dublin Press Release (fipa8703)

7. FIPA approves its workplan

Work items	Action	Year	Month	Days	Place
1 st 2 nd	FIPA 97 ver. 1.2 FIPA 98 ver. 0.2	1998	Jul	13-17	Dublin
1 st 2 nd 3 rd	FIPA 97 ver. 2.0 published FIPA 98 ver. 1.0 produced Call for Proposals issued	1998	Oct	19-23	Durham, NC
3 rd	Proposals received Baseline draft spec produced Call for Proposals issued	1999	Jan	25-29	Taejon
2 nd 3 rd	FIPA 98 ver. 1.1 FIPA 99 ver. 0.1	1999	Apr		Europe
2 nd 3 rd	FIPA 98 ver. 1.2 FIPA 99 ver. 0.2	1999	Jul		America
2 nd 3 rd 4 th	FIPA 98 ver. 2.0 published FIPA 99 ver. 1.0 produced Call for Proposals issued	1999	Oct		Asia

8. FIPA welcomes the list of FIPA 97-related software developed by members (fipa8705) and the intention stated by Nortel to make software available in the near future. CSELT is thanked for donating an ACL parser to FIPA members for non-commercial purposes.

9. FIPA would like to thank Manny Aparicio for taking care of the Wednesday workshop on the impact of agents on society and Tom Cooper (Emerson College) for providing a set of excellent speakers: John Pavlik (Columbia University), Tara Kalagher Giunta (Coubert Brothers), Abraham Santibañez (Diego Portales University) and Adam Clayton Powell III (The Freedom Forum). The workshop has provided a first opportunity for FIPA members and other communities to become aware of some of the implications of agent technologies on society. Further opportunities of study will be created as the need will arise.

10. FIPA would like to thank the members of the FIPA Academy, Abe Mamdani, Tim Finin and Yannis Labrou for their enlightening presentation of the relationship between some current work of the W3C consortium and FIPA.

11. FIPA thanks Broadcom, Fujitsu Laboratories of America and the ACTS project KIMSAC for setting up exciting demonstrations of applications utilising agent technologies.

12. FIPA thanks Broadcom for offering FIPA excellent meeting facilities and friendly support in Dublin in the hosting of its 10th meeting, in particular:

Áine Conlon
Hilary Reynolds
Suzanne Lynch

Donie O'Sullivan
Richard Evans
David Kerr