## FOUNDATION FOR INTELLIGENT PHYSICAL AGENTS

# FIPA Query Interaction Protocol Specification

Document title	FIPA Query Interaction Protocol Specification				
Document number	PC00027D	Document source FIPA TC C			
Document status	Preliminary	Date of this status	2000/11/21		
Supersedes	None				
Contact	fab@fipa.org				
Change history					
2000/01/28	Initial draft				
2000/03/06	Updated draft				
2000/06/16	Added comments from Lisbon meeting				
2000/10/20	Added comments from Sydney meeting; removed cancellable version; added				
	description of issues with cancellable protocols				
2000/11/21	Editorial revision; Submitted to FAB for Experimental				

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Geneva, Switzerland

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#### Contents

1	FIP	A Query Interaction Protocol	1
	1.1	Exceptions to Interaction Protocol Flow	1
2	Ref	erences	2

### 1 FIPA Query Interaction Protocol

In the FIPA Query Interaction Protocol (IP), the receiving agent is requested to perform some kind of *inform* action (see [FIPA00046]). Requesting to *inform* is a query, and there are two query-acts: *query-if* (see [FIPA00053]) and *query-ref* (see [FIPA00054]) and either act may be used to initiate this protocol. In either case, an *inform* is used in response, although the content of the *inform* given in response to a *query-ref* would be a referring expression.

The representation of this IP is given in Figure 1.

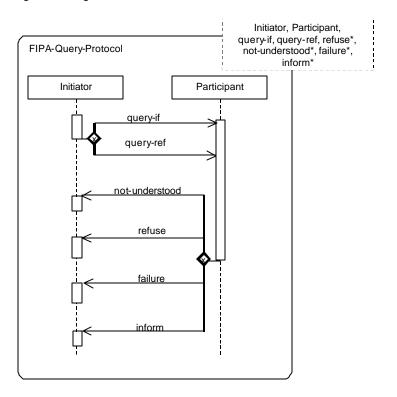


Figure 1: FIPA Query Interaction Protocol

#### 1.1 Exceptions to Interaction Protocol Flow

This IP is a pattern for a simple interaction type. Elaboration on this pattern will almost certainly be necessary in order to specify all cases that might occur in an actual agent interaction. Real world issues of cancelling actions, asynchrony, abnormal or unexpected IP termination, nested IPs, and the like, are explicitly not addressed here.

## 2 References

[FIPA00046] FIPA Inform Communicative Act Specification. Foundation for Intelligent Physical Agents, 2000.

http://www.fipa.org/specs/fipa00046/

[FIPA00053] FIPA Query If Communicative Act Specification. Foundation for Intelligent Physical Agents, 2000.

http://www.fipa.org/specs/fipa00053/

[FIPA00054] FIPA Query Ref Communicative Act Specification. Foundation for Intelligent Physical Agents, 2000.

http://www.fipa.org/specs/fipa00054/