

FIMA FUNCTIONAL PROPERTIES
VERSION 1.0 - January 2004

	Category	Function	Description - Notes
Highest Priorities	<i>Message Exchange</i>	1 to 1	Point to point IM
	<i>Security</i>	Authentication	Directory-based authentication using internal systems (LDAP,AD, NDS). This is different from using external systems such as Liberty or Passport or logon-systems provided by network operators. Direct integration between internal and external authentication systems is desirable.
	<i>Archiving</i>	Messages	All messages, in every message exchange scenario - including broadcasts, persistent channels, etc.
	<i>Client</i>	Desktop Application	Stand alone (desktop) client - W32, Mac, Unix, Linux
	<i>Archiving</i>	External Interfaces	Direct interfaces to existing e-mail archival systems
	<i>Message Exchange</i>	Channels	Threaded discussion channels - persistent, dynamic, topical - with presence indicator
	<i>Security</i>	Encryption	Encryption is non-essential behind the firewall. Desirable for B2C traffic. Required for B2C traffic. Uniform method of applying encryption across (different) public and private networks.
	<i>Administration</i>	Metrics	Logging of traffic, errors, availability, uptime, group, role & individual usage, presence statistics, etc.
	<i>Administration</i>	Client Management	Admin. selectable feature and attachment disabling. Role-based buddy list administration.
	<i>Interoperability</i>	Interoperability	Support multiple financial industry standard protocols such as XMPP, SIP/SIMPLE, as well as proprietary (public network) protocols
<i>Presence</i>	Indicator	Multiple / programmable indicators (icons), roaming profiles, ability to see group affiliations, user or application definable attributes	
Medium Priorities	<i>Message Exchange</i>	1 to many	Broadcast: sending a single message to multiple channels or private sessions
	<i>Entitlements</i>	Granular Access	Ability to set network and application privileges based on individual, hierarchy, group & role
	<i>Message Exchange</i>	Alerts	Ability to set sender and/or user definable delivery priorities
	<i>Client</i>	Browser	Java-based, zero-footprint for browser-based interfaces
	<i>Entitlements</i>	Policy & Rules	Ability to interrogate network and application privileges
	<i>Compliance & Monitoring</i>	Disclaimers	Imbedded disclaimer and privacy statements within messages
	<i>Extensibility</i>	Client Interface	Company brandable, extensive APIs for client features
	<i>Extensibility</i>	Presence	APIs for accessing presence information
	<i>Administration</i>	Testing	Load testing, stress testing, load balancing tools
	<i>Filtering</i>	Keyword	In-line message scanning based on key-word (for managerial rather than compliance purposes)
	<i>Filtering</i>	Concept	Off-line searching by subject matter - context or keyword
	<i>Entitlements</i>	Virtual Domains	Ability to configure Chinese walls for message routing and presence information by business function, plus the ability to interrogate rules databases
	<i>Contact Initiation</i>	Spam	Explicit allow & implicit deny of contact by (unknown) parties
	<i>Directory</i>	Federation	Selectively publishing / partitioning internal directories to "gated communities" not preferred approach - preference is to let people link into individual company directories in a very controlled
	<i>Delivery QoS</i>	Error Handling	Escalation procedures & alerts for delivery problems
	<i>Message Exchange</i>	Chat	Live, no history - unmoderated, presence is visible
	<i>Delivery QoS</i>	Non-Repudiation	Proof to the sender that the message was sent, by the originating party (proof that it was sent)
<i>Agents</i>	Bots	Linkages or triggers to external application processes - answer bots, database queries, etc.	
<i>Directory</i>	Hybrid	Ability to selectively reveal namespace to public network users	
<i>Directory</i>	Search	Ability to look up individuals within companies, or across directories	
Lowest Priorities	<i>Presence</i>	Invisibility	Selective ability to reveal (mask) availability
	<i>Entitlements</i>	Group Control	External contacts must not be able to initiate multi-party meetings
	<i>Contact Initiation</i>	Interrupt	Ability to alert/interrupt potential contacts overriding existing presence settings
	<i>Delivery QoS</i>	Guaranteed Delivery	Proof to sender and recipient that the message was sent and received
	<i>Administration</i>	Interfaces	Interfaces to third-party network management tools.
	<i>Agents</i>	Web Agents	Automated simulation of human responses to messages
	<i>Presence</i>	Group	Ability to indicate presence based on group membership
	<i>Filtering</i>	Intelligent	In-line scanning based on context - inference, grammar, vocabulary
	<i>Contact Initiation</i>	Buddy List	Admin. restrictions on buddy membership. Ability to limit buddies by role / function.
	<i>Compliance & Monitoring</i>	Real-Time Monitoring	Ability to transparently "listen-in" to IM sessions
	<i>Compliance & Monitoring</i>	Interrupt	Ability to immediately disable unsanctioned conversations. Warnings to admins. and initiators of unsanctioned conversations.
	<i>Client</i>	Mobile devices	Blackberry, alerts to mobile phones - little interest in replying with non-keyboard devices - menu of standard replies. J2me desirable
	<i>Extensibility</i>	Protocol	Ability to imbed/insert company defined information within protocol
	<i>Message Exchange</i>	Attachments	Generally - attachments are best left for e-mail. Ability to filter, alert and forward attachments ("metal-detector") at firewall. In-line scanning desirable. Desktop scanning sub-optimal.
	<i>Extensibility</i>	CRM	Links into IM to CRM - message routing, forwarding, ticketing, prioritization.
	<i>Compliance & Monitoring</i>	Drop-offs	Ability to terminate group discussion if moderator or key people exit
	<i>Message Exchange</i>	App. Sharing	Later stage requirement TBD, collaborative operation - remote demos, Webex, training
	<i>Presence</i>	Location	Indicator of geographic location
	<i>Extensibility</i>	Telephony	Links to CRM / ACD systems
	<i>Delivery QoS</i>	Peer to Peer	Peer to peer - no relay server between clients
<i>Message Exchange</i>	WhiteBoard	Annotating images & documents, freehand drawing	
<i>Message Exchange</i>	Message Board	Topical, has history but more like a bulletin board - no presence, more anonymous	
<i>Presence</i>	Aliases	Aliases are contrary to most financial services business practices	

Listed In order or descending priority