



# Enhanced Messaging Software Client Kit

Enhanced Messaging (EM) adds value and improves the communication experience for messaging functions like SMS, MMS, and Instant Messaging by providing a simplified, converged user experience and a common set of integrated messaging functions. A common inbox includes all messages and communication history regardless of type and new “conversational views” organize communications into contact and topic threads to make ongoing communications easier. The enhanced address book adds situation information like “presence” and “capabilities” that are used to select the most appropriate communication method and content to achieve the highest probability of success.

## Enhanced Messaging Client Software Kit

- Standards and Best Practices Compliant
- Proven Application Engines and Enablers
- Device Platform Independent
- Interoperable with Leading Service Infrastructure Systems

Enhanced Messaging requires the integration of legacy messaging and the addition of new capabilities such as presence, contact, and group management. These must be optimized and validated for both existing messaging systems and new service components. Ecrio has proven products and experience to reduce complexity, time, and ensure interoperability. The solution kit supports:

- IP Messaging
- Instant Messaging
- Contacts and Group Management
- Presence and Capabilities
- IMS and SIP

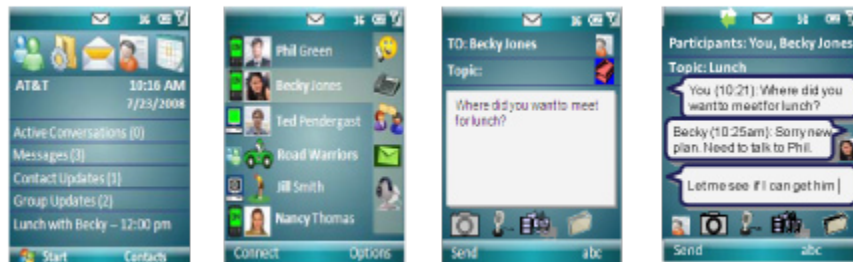
## The Ecrio Enhanced Messaging (EM)

Client Software Kit provides developers with the essential client software functions needed to quickly develop compelling enhanced messaging client applications, confirm interoperability with network application servers including EM server systems and create compelling user experiences. Ecrio works with its industry partners to ensure interoperability with the common service infrastructure and network systems, device platforms, and application environments.

## The Ecrio Enhanced Messaging Client Software Kit includes:

- IP Multimedia Subsystem (IMS) Client Framework: Service and application control, SIP session and signaling management, User Agent, and relevant standards compliant enabler modules.

- Instant Messaging (IM) application engine: One-to-one and group message conversations. Supports Pager Mode, Large Message Mode, and Session Mode.
- Short Messaging Services (SMS) over IP application engine: Optimizes and sends short messages using IM protocols over IMS and IP based service and network systems.
- Contact and Group Management application engine: Contact and group lists management functions and service interface support for network address book systems.
- Presence application engine: Presence data models and information management, and service capability functions
- Sample application code and documentation: Resources to assist application developers in using the kit to develop compelling EM applications.



Ecrio and the Enhanced Messaging kit support the The Wireless Association® (CTIA) Enhanced Messaging initiative and the relevant Open Mobile Alliance (OMA) standards.

## Enhanced Messaging Software Client Kit

### Enhanced Messaging Client Software Kit users include:

- Client Application Developers
- Operators and Service Providers
- Device Suppliers
- Infrastructure Providers
- Device Platform Providers
- Application Platform Providers

Kit Component	Description	Standards Compliance
<b>Ecrio Enhanced Messaging Kit Application Engines</b>		
Instant Messaging	Enhanced Instant Messaging, Chat, and Group Conversation functions	OMA-MWG SIP/SIMPLE IM V1.0 (Pager, Large Message, and Session Modes)
Contact and Group Management	Contact, Group, and Group Lists Management for Enhanced Address Book application	OMA-PAG Presence SIMPLE XDM
Presence	Presence Information Management	OMA-PAG Presence SIMPLE
SMS over IP (optional)	Send and receive SMS over IMS/IP	3GPP2 X.S0048-0, SMS over IMS
<b>Ecrio IMS Client Framework (ICF)</b>		
Service and Application Controller (SAC)	SIP Session and Signaling Management, User Agent, Media Management, Routing, Application Management, Connection and QoS Management, Dynamic Extensions	RFC 3261 (UAC and UAS) and applicable supporting RFCs. Supports all major applicable 3GPP/2 and IETF SIP/IMS Technical Standards and RFCs.
Technology and Standards Enablers	IMS, SIP, SigComp, Presence, XDM, RTP, RTCP, MSRP	Supports all major applicable 3GPP/2 and IETF SIP/IMS Technical Standards and RFCs, and OMA Standards.
<b>Other Kit Components</b>		
Documentation	Developer documentation and programming guide	
Platform Drivers	Platform drivers for Windows Mobile and Win32. Drivers can be created for any platform.	
Sample Code	Sample EM application source code modules	

**For more information visit our website at:  
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