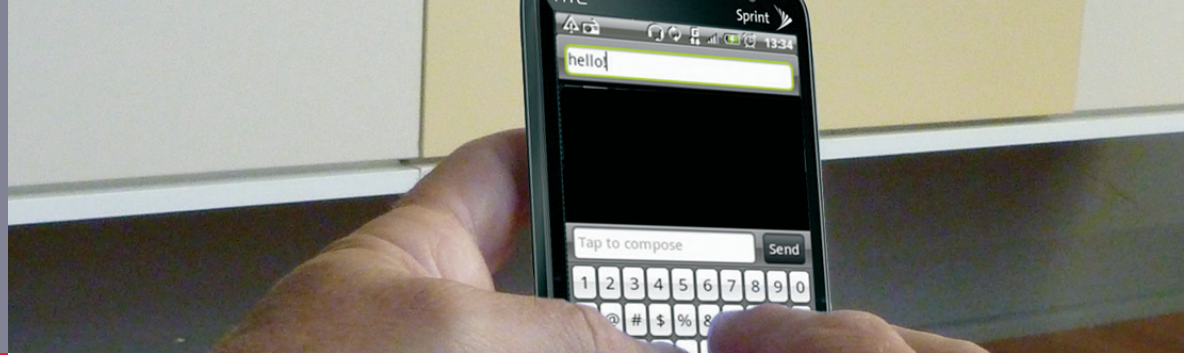




Mobile Communications  
Client Suite



## SMS over IMS Framework

- Standards Compliant
- Commercial Grade
- Proven Application Engines and Enablers
- Device Platform Independent
- SMS over IMS Service
- Interoperable with Leading Network Infrastructure
- Mobile Originated/Terminated SMS
- Multiple Message Formats
- Application Directed Messages



Verizon Wireless has long understood the power of IMS to enable rich multi-media applications — we look forward to working with EcRIO to deliver an exciting new range of services. ”

**Rosemary McNally —  
Executive Director,  
Verizon Wireless**

### EcRIO delivered the first Rich Messaging solution to the mobile communications industry in 2000.

Since then EcRIO has expanded and refined a comprehensive portfolio of mobile communications client products that meet the demanding requirements of operators, device manufacturers, service infrastructure providers and platform providers.

A key component within the EcRIO Mobile Communications Client Suite, the EcRIO SMS over IMS Framework includes the essential client software needed to quickly develop compelling rich LTE and IMS based Short Messaging Services applications, confirm interoperability with network infrastructure systems (e.g. IMS and SIP Core and SMSCs), and assess the user experience.

EcRIO works with its industry partners to ensure interoperability with the common service infrastructure and network systems, device platforms, and application environments. Optimized for mobile terminals with stringent resource demands, the software supports SMS over IMS messaging services over a variety of networks, including LTE/4G, eHPRD, UMTS, CDMA EVDO/1x, and Wi-Fi/WLAN networks.

EcRIO and the SMS over IMS Framework support the relevant 3GPP, 3GPP2, IETF and IMS standards and specifications for Short Messaging over IMS/IP services. For more information on 3GPP and IETF see the websites at: <http://www.3gpp.org/> and <http://www.ietf.org/>

### EcRIO SMS over IMS Framework Users

**Device Suppliers (OEMs)** use the SMS over IMS Framework to add and integrate compelling new features and user experiences across their portfolio with lower incremental effort and risk, with less effort expended on the complexities of ever-changing standards and technology, and interoperability with network infrastructures.

**Operators and Service Providers** use the SMS over IMS Framework to create and deploy new services and customized

applications with lower complexity and faster time-to-market, across the device portfolio thereby minimizing the effort expended due to variations in device platforms.

**Infrastructure Providers** Providers partner with EcRIO to offer complete end-to-end SMS over IMS solutions and deliver the full value of their products.

**Device Platform Providers and Chipset Vendors** partner with EcRIO to add SMS over IMS based service capabilities to their platforms making them more valuable to device manufacturers. As new leading-edge LTE based modems, chipsets, and device platforms are developed the SMS over IMS capabilities become essential components for OEMs, ODMs, and chipset vendors to provide in their platforms and chipsets.

### Industry Leading and Interoperability proven SIP/IMS Client Solution

The proven and industry-leading EcRIO SMS over IMS Framework is already part of commercial deployments worldwide. The EcRIO SMS over IMS Framework has been extensively interoperability tested against major infrastructure vendor IMS and SIP Core and SMSC systems, as part of operator initiatives.

### Software Development Kit (SDK)

**Documentation:** Developer documentation including API and Programmer Guide.

**Platform Drivers:** Reference/Example Platform Drivers (PFD) for Android and Win32. Drivers can be created for any platform. Device makers can take these reference platform drivers to implement the appropriate platform driver software for their device platform / operating system.

**Reference/Test Applications:** Sample test applications that allow developers to demonstrate, exercise and test the SMS over IMS Framework.

**Sample Source:** Sample application source code that illustrates to developers the use of the Framework.

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