



## Mobile Communications Client Suite



### VoLTE/Video Framework

- Standards Compliant
- Commercial Grade
- Proven Application Engines and Enablers
- Device Platform Independent
- Interoperable with Leading Network Infrastructure
- IMS Voice over IP
- Supplementary Services
- Proven Application Engines and Enablers
- Packet Video Telephony
- Call Handoff and Continuity
- Emergency Services Support

“Verizon Wireless has long understood the power of IMS to enable rich multimedia 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 commercially deployed IMS/SIP based Push-to-Talk IP media service to the communications industry in 2005**, adding to a series of industry-leading solutions starting from the delivery of the first-in-industry Rich Messaging solution in 2000. Ever since 2000 Ecrio has progressively 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 Voice over LTE (VoLTE) and Video Framework includes the essential client software needed to quickly develop compelling rich VoIP and Video communication client applications, confirm interoperability with network infrastructure systems (e.g. IMS and Telephony/Media Application Servers), and assess the user experience.

We work with our 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 all required real-time signaling and media components of LTE, eHSPD, UMTS HSPA+/HSPA, and Wi-Fi/WLAN networks.

We support the GSMA Voice over LTE (VoLTE) initiative and the underlying 3GPP and IMS standards. For more information on the GSMA VoLTE initiatives see the website at: [http://www.gsmworld.com/our-work/mobile\\_broadband/VoLTE.htm](http://www.gsmworld.com/our-work/mobile_broadband/VoLTE.htm)

#### Ecrio VoLTE/Video Framework Users

**Device Suppliers (OEMs)** use the 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 our 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** partner with Ecrio to offer complete end-to-end IMS and VoLTE/Video solutions and deliver the full value of their products.

**Device Platform Providers and Chipset Vendors** partner with Ecrio to add VoIP and Video Telephony capabilities to their platforms and as new leading-edge LTE based modems, chipsets, and device platforms are developed, the VoIP/VoLTE, SMS and Video capabilities become essential components for OEMs, ODMs, and chipset vendors to provide in their platforms and chipsets.

#### Industry Leading and Interoperability proven VoLTE/Video Client Solution

Our Framework and Reference Application Suite was selected as part of key operator LTE Technical Trials, to prove in early reference implementations of VoLTE/VoIP and Video services over LTE. The Ecrio VoLTE/Video Framework has been extensively interoperability tested against major infrastructure vendor IMS and Telephony Application Server and Media Server 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 VoLTE/Video Framework Enablers.

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