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STMicroelectronics to Offer Reference Implementation of Frog by Wyplay Middleware for All Its ARM® Set-Top-Box SoCs

- *Turnkey integration available on latest ST ARM-based Set-Top-Box Cannes (STiH310/312) and Monaco (STiH410/412) family SoCs*
- *Common roadmap defines new devices for both HD HEVC STiH301/Liege2 and UHD p60 STiH314/318/414/418*
- *Operators benefit from greater speed to market for their new convergent services thanks to code contribution to the Frog collaborative ecosystem by ST*
- *Joint solution demonstrated by more than 10 Frog Licensees at IBC 2014*

Marseille, France; Geneva, Switzerland -- September 11, 2014 — Wyplay, creator of software solutions for leading pay-TV operators, and STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, today announced the availability of "Bull Frog" middleware, the Frog by Wyplay Set-top-Box middleware version 2.0 on ST's Cannes and Monaco families of ARM® System-on-Chip products. The Companies also disclosed their plan for an extension spanning the full ARM/HEVC product range from Liege2 (STiH301) to the latest UHDp60 family members STiH314/318/414/418.

This announcement illustrates the successful track record of collaboration between the two companies and was made possible, in part, thanks to a significant code contribution by ST's software R&D teams. ST contribution to the Frog codebase will be shared among a growing community of more than 60 licensee companies, including device manufacturers, independent software vendors, software services providers, and operators. Code contributed by ST covers adaptations of the Frog middleware to the ST SDK2 Linux™ software environment and specific hardware capabilities, API extensions, as well as optimization of the rendering of HTML5 applications.

ST's contribution exemplifies the collaborative nature of the Frog shared-source ecosystem, a pre-integrated and pre-validated reference implementation that includes a UI, middleware, drivers, OS, and hardware. This level of integration and feature alignment yields an accelerated speed to market for the introduction of convergent services such as Over-The-Top services by pay-TV operators.

"Our partnership with Wyplay is bearing strategic benefits to our customers," said Hervé Mathieu, Box and Gateways Business Line Director, Unified Platform Division, STMicroelectronics. "Set-Top-Box OEMs and operators can get a significant time-to-market advantage with the integration of Frog on all our ARM set-top-box and server reference designs. They also benefit from the economies of scale that result from a common middleware stack across our entire product range."

"With its major contribution into the Frog ecosystem, ST proves that they are the innovation leader in our space, not just technically but also strategically, having fully embraced the interest of open ecosystems," said Wyplay CEO Jacques Bourgninaud. He added, "Thanks to the flexible Frog licensing model, all members of the Frog Community can leverage Wyplay's middleware on the full range of ST's products."

Building on this integration, the two companies are now engaging on an ambitious roadmap bringing within the ecosystem advanced features such as 4K user interfaces, transcoding and multiscreen capabilities made possible by ST's set-top-box and server processors.

ST's Cannes/Monaco SoC architecture is built on a powerful combination of ARM multi-core CPU and GPU processors matched with ST's advanced Faroudja® multimedia subsystem with an HEVC robust video decoder, high-performance video encoder, and high-quality video pre/post processing. The overall system is protected by an advanced security subsystem compliant with the latest CAS/DRM (Conditional Access System/Digital Rights Management) standards to secure operators' assets and premium contents. The Cannes/Monaco SoC families provide multiple interfaces: PCIe™ supporting Wi-Fi connectivity, smart-card interfaces, 6Gbit/s Gen 3 eSATA interfaces, USB2/3, SPI, I2C, SDIO and DDR memory support for flexible and affordable bill-of-materials HW designs. The low power draw of both chipset families combined with support for active standby mode enables attractive form-factor solutions.

For further information, please visit ST Connected-Client Processors pages.

The full source code and technical documentation of the Frog middleware are available to licensees on the Frog Community Portal at http://portal.frogbywyplay.com

Wyplay's and ST's Frog reference implementations are showcased at the IBC 2014 event at the RAI Amsterdam from September 12th to 16th at the following exhibitor locations:

- STMicroelectronics – 1.F40

- Wyplay – 5.A11

- Frog Licensees and Early Adopters exhibiting the ST/Wyplay reference implementation:

    o 4Mod Technology – 14.F11

    o Coship – 1.F50

    o Envivio – 1.D73

    o Hwacom – 4.C50

    o KaonMedia – 1B16

    o Mathembedded – 14.A12

    o Opentech – 5.C34

    o Philips – 1.A81

    o Rovi – 5.A30

    o Wildmoka – 2.B39i

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About STMicroelectronics

ST is a global leader in the semiconductor market serving customers across the spectrum of sense and power and automotive products and embedded processing solutions. From energy management and savings to trust and data security, from healthcare and wellness to smart consumer devices, in the home, car and office, at work and at play, ST is found everywhere microelectronics make a positive and innovative contribution to people's life. By getting more from technology to get more from life, ST stands for life.augmented.

In 2013, the Company's net revenues were $8.08 billion. Further information on ST can be found at http://www.st.com.

About Wyplay

Independent and internationally recognized, Wyplay develops open, modular and innovative software solutions for IPTV, cable, satellite and terrestrial TV operators and broadcasters around the world. Wyplay technology enables operators to select, configure and easily deploy solutions with the market's richest pre-configured modular solutions including electronic program guide, zapper, video recorder, media-center, home-connectivity, social TV, HTML5, Android, OTT platform, multi-screen, multi-room, … Wyplay's Service Offering allows operators to deploy solutions based on their specific product strategy and market needs. Wyplay is a strategic partner for such leading brands as SFR, Vodafone, Belgacom and now Canal+. To learn more about Wyplay's set-top box, multi-screen and OTT solutions, please visit www.wyplay.com and www.FrogByWyplay.com.

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