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Technologies from STMicroelectronics Support IGRS Protocol to Enable the Chinese Standard Home Gateway

Beijing, China, April 1, 2014 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, and IGRS Information Industry Association (IGRS Alliance) today announced that numerous processors from ST can support the Chinese smart-home standard IGRS. Starting from Orly ([STiH416](#)), the IGRS (Intelligent Grouping and Resource Sharing) protocol will be extended to Alicante ([STiD12](#)), Cannes ([STiH312](#)) and Monaco ([STiH412](#)) product series. An ST Working Group in IGRS also kicked off at the same time.

“ST is taking the lead in enabling the smart-home market in China with our leadership and collaborative work with IGRS on Chinese smart-home industry initiatives,” said YU Lee, Regional Vice President, Digital Convergence Group, Greater China & South Asia Region, STMicroelectronics.

“By leveraging ST’s broad product portfolio, the collaboration enables us to build a smart-home ecosystem based on the Chinese smart-home standard,” said Xiaolin HUANG, Secretary General, IGRS Alliance.

ST’s DOCSIS[®] 3.0-certified¹ cable-modem chips (the Alicante/STiD12 product family) provide fast network connectivity for multimedia home entertainment and interactive broadband services. With extremely high data rates going up to 800Mbit/s, they enable set-top boxes and home gateways to deliver video and Internet data services over a single network and support the simultaneous use of multiple connected devices. The DOCSIS 3.0 chips and associated software stack facilitate access to on-demand and streaming content and support the next-generation Internet Protocol (IPv6) that enables more devices to be connected to the Internet through server and gateway boxes.

ST’s latest multimedia application-processor System-on-Chips (the Cannes/STiH312 client-box and Monaco/STiH412 server-box and multimedia-gateway product families) support decode and display resolution up to the leading-edge Ultra HD (2160p) and the

¹ certified by CableLabs, a consortium of cable experts and industry operators

next-generation H.265 / HEVC² video compression. This combination aims to extend the viewing experience for end users with more realistic and in-the-action immersion.

ST's Cannes and Monaco architectures are based on the high-performance Dual ARM[®] Cortex[®] Central Processing Unit that provides support for all major software stacks in the set-top box, server and gateway markets enabling smooth interaction with the IGRS protocol.

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 www.st.com.

About IGRS ALLIANCE

IGRS Information Industry Association (IGRS Alliance) is a solid industry resource comprised of a strong network of member alliances. Our long-standing partnerships span numerous industries. IGRS Information Industry Association has become a leading industry alliance that develops interoperability standards and product compliancy. Intelligent Grouping and Resource Sharing Standard (IGRS) sets the standard for both an advanced message and data-based exchange technology framework and interface specification for the next generation of network information devices including communication security and content protection mechanisms. IGRS standard enables 3C devices to achieve intelligent grouping, resource sharing and service collaboration; additionally, it constructs new network frameworks consisting of "3C devices + network operation + content applications". These frameworks are designed to create a positive profit generation model for device manufacturers, network operators and content/application providers alike, as well as to deliver high quality information services and entertainment to end users. Today, IGRS Standard is the Chinese national 3C-convergence industry standard and has been approved and released as the International Standard by the ISO Central Secretariat. The alliance has grown from its original eight founders to its current 201 members and covers the entire industry chain, including research institutes, telecom equipment manufacturers, network operators, software middleware, chipsets, and terminal device manufacturers. Moving into the future with an eye on expansion, IGRS members now also include foreign participants from well-known companies. IGRS Information Industry Association is the market-focused and enterprise-dominated leading 3C-convergence industry and standard alliance in China. IGRS

² High Efficiency Video Coding (HEVC) doubles the data compression ratio used with the previous H.264/MPEG-4 AVC standard at the same level of video quality

members own 43% of PC market shares, 84.3% of TV market shares and 41% of mobile phone market shares in China. Since the association's inception, many IGRS products have been launched on the market including IGRS TV, IGRS PC, IGRS Smart Phone, IGRS Projector, IGRS Printer, IGRS DMA, and IGRS Wireless Access Point, IGRS USB Dongle, etc

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