

LG WEBOS 3.5 SMART TV PLATFORM EARNS COMMON CRITERIA CERTIFICATION FOR SECURITY EXCELLENCE

Latest Smart TV Platform Earns Prestigious CC International Security Certification for Ability to Provide Superior Privacy Protection

ENGLEWOOD CLIFFS, N.J., May 7, 2017 — LG's webOS 3.5 smart TV platform received a Common Criteria (CC) certification for its enhanced Application Security Solution Version 1.0 software. By earning another internationally-recognized security certification, LG continues to demonstrate that its smart TVs are among the strongest in smart TV security. The recognition comes at a time when consumers are increasingly concerned about the potential of privacy breaches on their internet-connected devices.

Security Manager, the webOS 3.5 security software module, was tested in accordance with Common Criteria's rigid benchmarks. CC's internationally-recognized ISO/IEC 15408 standards are used by governments, banks and other organizations to assess the security capabilities of individual products including 27 member countries from around the world including Australia, France, Japan, Korea and the United States.* The test examined three phases of smart TV security: application installation protection, application execution protection and application content protection with digital rights management (DRM) encryption.

LG webOS 3.5 provides excellent application installation protection and blocks the installation of unauthorized apps by conducting a rigorous digital signature verification process. The LG App Store server oversees the digital signature generation process to ensure that webOS 3.5 installs applications downloaded only from the LG App Store. LG webOS 3.5 also delivers protection depending on the type of application – platform apps (also known as native apps) or web apps. For native apps, webOS 3.5 implements sandboxing technology according to each application's security attributes to block access to unauthorized system directories/files, device files and other data. LG webOS 3.5 allows web applications to use only approved application programming interfaces (API) to prevent these web apps from directly accessing sensitive information in the file

system. In addition, the latest webOS offers a powerful DRM license verification process designed to decrypt the encrypted content inside RAM (random-access memory) and to create a clean backup of encrypted content in flash memory.

“We have taken every possible step to ensure that webOS 3.5 offers excellent application protection and the highest level of privacy security,” said Matt Durgin, Director of Content Innovation, LG Electronics USA. “Consistent with customers’ concerns over product security issues, we have enhanced the security of our smart TV platform. Certification by Common Criteria confirms that we’re on the right track when it comes to customer privacy and data protection.”

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* *More information about CC standards is available at <https://www.commoncriteriaportal.org>.*

About LG Electronics Home Entertainment Company

The LG Electronics Home Entertainment Company is a global leader in television, audio video systems, monitors, personal computers, digital signage and commercial displays. The company opened a new era of innovation in the TV market, creating pioneering technologies like OLED TV and implementing an intuitive operating system to allow customers to experience the full benefits of smart TV technology. LG is committed to improving customers’ lives with innovative home entertainment products led by its award-winning 4K OLED TVs, UHD TVs and webOS TVs. For more information, please visit www.LG.com.

About LG Electronics USA

LG Electronics USA Inc., based in Englewood Cliffs, N.J., is the North American subsidiary of LG Electronics, Inc., a \$48 billion global force and technology leader in home appliances, consumer electronics and mobile communications. LG Electronics sells a range of stylish and innovative home entertainment products, mobile phones, home appliances, commercial displays, air conditioning systems and solar energy solutions in the United States, all under LG’s “Life’s Good” marketing theme.

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