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## UPnP<sup>TM</sup> Forum Newsletter February 2007

# A MESSAGE FROM UPnP FORUM MEMBERS

We accomplished a great deal in 2006 — and the adoption of UPnP technology is growing because of our efforts.

Two new DCP standards were approved in 2006 — each adds new functionality and enhances our existing protocols. The first, version 2 of the AV specifications (UPnP AV v2), allows the home user to identify and record programs and other digital content for later viewing. See the press release ([http://www.upnp-ic.org/news/documents/AV2\\_FD1.pdf](http://www.upnp-ic.org/news/documents/AV2_FD1.pdf)) for more information.

The second, an improved version of the Quality of Service specifications (UPnP QoS v2), adds a Rotameter to report the number of sent bits, richer QoS policies, and enhancements for multiple policyholders. We expect the benefits offered by these new specifications will drive companies to develop these protocols into their products and, consequently, increase the base of UPnP Certified products.

The UPnP Forum Steering Committee and the UIC are jointly working to standardize UPnP specifications internationally. The Steering Committee created a new Standardization Task Force to execute this goal. Earlier this year, the ISO/IEC Joint Technical Committee 1 (JTC1) approved the UIC as a submitter, and the UPnP Device Architecture and all Device Control Protocol (DCP) specifications were submitted for standardization in November; they are being voted on by JTC1 national bodies now. Gaining recognition as an international standard will promote worldwide adoption of the UPnP technology.

Looking toward the future, we see more progress on the horizon. The UPnP Forum is creating new architectures and protocols. This includes parameterized QoS, improved Audio Video (AV) functionality, remote access to devices, and energy conservation with low-power devices.

In addition, we've created a marketing committee, open to participation by interested UIC and UPnP Forum members, to further promote UPnP technology. Cross-membership participation will expand our knowledge base and available resources. We've also started developing test procedures for UPnP Control Point and Device Test Tools to improve certification and interoperability of both. Finally, there is an amended UPnP Forum Membership Agreement in place that allows for easier development of new UPnP architectures and protocols.

Moving on to UIC news, the UIC expects to improve device interoperability by enabling UPnP Control Points to be certified, and providing semantic testing for device certification.

Also during 2006, the UIC signed a formal liaison agreement with Digital Living Network Alliance (DLNA). This agreement allows our organizations to share information in our collaborative effort to promote expansion of the home network. All devices must pass the UPnP AV device certification to be certified by DLNA. This added requirement has already led to an increase in certified AV devices, as more organizations start adopting DLNA as the home networking standard. We expect this trend to continue as DLNA grows.

We expect that our relationship with DLNA and our new specifications will greatly increase the number of UPnP products on store shelves in 2007.

Thank you for supporting our commitment to making the connected home experience simple and reliable for consumers everywhere.

# MEMBER SPOTLIGHT

## Hewlett-Packard Printers Continue to Support UPnP

Hewlett-Packard (HP) strongly supports UPnP technology. This year HP has been deeply involved in UPnP technology development particularly in the area of printing. It was the first printer vendor to include UPnP capabilities in its networked printers and all-in-ones to make it easy for consumers to print images directly from the family entertainment center.

Many of the HP networked printers and all-in-ones introduced since 2006 have included UPnP:Print Enhanced capabilities, which allows consumers to print digital images from UPnP-compatible TVs, set-top boxes, digital video recorders, digital cameras, camera phones, personal digital assistants, or other photo-enabled devices to their home-networked printers using standard Ethernet or Wi-Fi technology. A recent HP all-in-one is the HP Photosmart 3310.

In 2007, HP plans its continued support of UPnP and also extends this into DLNA when the DLNA printer certification becomes available this year.



## About the UPnP Implementers Corporation

The UPnP Implementers Corporation (UIC) is the non-profit corporation that promotes the adoption of UPnP technology by manufacturers of hardware and software products. The UIC administers the UPnP device certification process and the UPnP mark licensing.

There are now more than 275 UPnP™ Certified products. UPnP certification creates the foundation for interoperability and provides an easy way for retailers and consumers to recognize products that have been developed and tested to comply with the UPnP device standards. The UPnP certification program is required by the Digital Living Networking Alliance (DLNA) as a prerequisite to its certification program.

**For more information** about certifying your product with the UIC, visit: <http://www.upnp-ic.org>.

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# EVENTS

## The Connected Home 2007

March 5-7, 2007

Olympia, London, United Kingdom

<http://informatv.com/events/theconnectedhome/>

The Connected Home conference and exhibition is the largest specialist show in Europe covering the connected home industry. The event is co-hosted with the IPTV World Forum and TV Over Net conferences, with a joint exhibition. Together they are expected to draw thousands of attendees.

## The Electronic House 2007

Orange County Convention Center

March 6-9, 2007

Orlando, Florida

<http://www.ehxweb.com>

Electronic House Expo (EHX) is dedicated to the broad market of custom electronic integration and retailing. EHX is the #1 place for the custom electronics community to gather, network, learn, share knowledge and ideas, and stay up to date on the latest industry trends and innovations.

# ANNOUNCEMENTS

## UIC Releases New Whitepaper

The UIC recently produced a white paper "UPnP™ Technology — The Simple, Seamless Home Network." The paper discusses how UPnP technology creates an enhanced end user networking experience, key milestones and industry relationships (e.g., the recently formed joint alliance with the Digital Living Network Alliance), and UPnP technology's overall benefits and advantages to industry members. For more information, visit the UIC Web site at <http://www.upnp-ic.org>.

