

Press Release Detail

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CEA ANNOUNCES NEW HOME NETWORKING STANDARD, REMOTE USER INTERFACE FOR THE DIGITAL HOME

CEA-2014 Web-based Protocol and Framework for Remote User Interface on UPnP(tm) Networks and the Internet

Arlington, Virginia

8/10/2006

The Consumer Electronics Association's (CEA®) R7 Home Network Committee has published a new standard, CEA-2014, Web-based Protocol and Framework for Remote User Interface on UPnP™ Networks and the Internet (Web4CE). The newly adopted standard lets a UPnP capable home network device offer up its user interface (display and control options) as a Web page to display on any other device connected to the home network.

The newly adopted standard will allow consumers to control their CE devices from virtually anywhere, by providing a browser-based communications method for CE devices on a UPnP home network using Ethernet and a special version of HTML called CE-HTML.

"The upcoming era of the digital home, in which products will be connected through a UPnP home network, will see users accessing a variety of features and applications from various products in their home," says Mark Walker, senior platform architect, Intel Corp. "In addition, consumer products are extending their functionality by providing direct access from consumer devices and home network PCs to Internet-based news and entertainment services delivered to the home over broadband networks such as ADSL and cable. Currently, however, there is no single cross-industry standard that simultaneously ensures home network device interoperability and a good user experience with Internet Services. The new CEA-2014 standard addresses both needs."

Web4CE is a new framework for transmitting user interfaces over both the Internet and over a home entertainment network, enabling consumers to control applications remotely on UPnP devices regardless of whether they originate in the home or from the Internet. CE-HTML is the other portion of CEA-2014 that allows consumers to interact with Internet or home network service applications that are optimized for CE devices like television sets. CE-HTML is specifically designed to allow user interaction to take place using a remote control, keypad or a touch screen. CE-HTML further makes optimal use of display area with a built-in ability to scale appropriately for the user interface.

"CEA-2014 is an important addition to CEA's home networking standards and shows our continued support for the clear industry trend to use Internet Protocols in home networks," says Virginia Williams, CEA director of engineering standards. "CEA's R7 committee is providing key home networking building blocks, such as the Remote User Interface method contained in CEA-2014, to facilitate growth and interoperability in the digital home."

The R7 Home Network Committee is chaired by William Rose, President, WJR Consulting, Inc. Participation in CEA standards activities is open to companies and organizations with direct and material interest. CEA membership is not required to participate. To purchase CEA-2014, visit www.CE.org/standards. To learn more about the R7 Home Network Committee, please contact Leslie King at lking@CE.org.

CEA leads technology manufacturers in fostering CE industry growth by developing industry standards and technical specifications that enable new products to come to market and encourage interoperability with existing devices. CEA maintains an unmatched reputation as a credible and flexible standards making body and as earned ANSI accreditation. Through more than 70 committees, subcommittees and working groups, the CEA Technology and Standards program provides a unique and efficient forum where technical professionals throughout the industry develop a unified technology roadmap and address technical issues critical to CE industry growth. Are you part of the process? For information about CEA Technology and Standards, visit www.CE.org/standards.

ABOUT CEA:

The Consumer Electronics Association (CEA) is the preeminent trade association promoting growth in the consumer technology industry through technology policy, events, research, promotion and the fostering of business and strategic relationships. CEA represents more than 2,100 corporate members involved in the design, development, manufacturing, distribution and integration of audio, video, mobile electronics, wireless and landline communications, information technology, home networking, multimedia and accessory products, as well as related services that are sold through consumer channels. Combined, CEA's members account for more than \$125 billion in annual sales. CEA's resources are available online at www.CE.org, the definitive source for

information about the consumer electronics industry.

CEA also sponsors and manages the International CES - Defining Tomorrow's Technology. All profits from CES are reinvested into industry services, including technical training and education, industry promotion, engineering standards development, market research and legislative advocacy.